

Blythe Solar Power Project (09-AFC-6C)

Monthly Compliance Report #11
September 2011 Reporting Period

October 20, 2011

Blythe Solar Power Project
Monthly Compliance Report #11

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Abbreviations and Acronyms

AFC	Application of Certification
AQ	Air Quality
AQCMM	Air Quality Construction Mitigation Manager
AQCMP	Air Quality Construction Mitigation Plan
BIO	Biological
BLM	Bureau of Land Management
BM	Biological Monitor
BRMIMP	Biological Resources Mitigation Implementation and Monitoring Plan
BSPP	Blythe Solar Power Project
CARB	California Air Resources
Caltrans	California Department of Transportation
CBO	Chief Building Official
CDFG	California Department of Fish & Game
CEC	California Energy Commission
COM	Compliance
CPM	Compliance Project Manager
CRS	Cultural Resources Specialist
CSS	Construction Safety Supervisor's
CUL	Cultural
DB	Designated Biologist
DESCP	Drainage, Erosion, and Sediment Control Plan
FAA	Federal Aviation Administration
HTF	Heat Transfer Fluid

KPC	Kiewit Power Constructors
KPE	Kiewit Power Engineering
LF	Liner Foot
MEC/UXO	Munitions and explosives of concern/Unexploded Ordinances
MECH	Mechanical
MCR	Monthly Compliance Report
PAL	Paleontological
PPA	Project Prehistoric Archaeologist
PQAD	Prehistoric Quarries Archaeological District
PRS	Paleontological resource specialist
PVSI	Palo Verde Solar I, LLC
P&IDs	Piping and Instrumentation Diagram
ROW	Right Of Way
RCFD	Riverside County Fire Department
S&W	Soil & Water
STA	Solar Trust Of America
STRUC	Structural
SWPPP	Storm Water Pollution Prevention Plan
TRANS	Transmission
TSE	Transmission System Engineering
USFWS	United States Fish and Wildlife Service

Introduction

On September 15, 2010, the California Energy Commission (CEC) issued a license to Palo Verde Solar I, LLC (PVSI) for the construction and operation of the Blythe Solar Power Project (BSPP). On December 22, 2010 the CEC Compliance Project Manager (CPM) issued a full Notice to Proceed (NTP) letter for BSPP allowing the start of all construction activities associated with Phase 1A of the site.

This document constitutes PVSI's eleventh monthly compliance report (MCR) for the BSPP, as required by Condition of Certification COM-6 in the CEC Final Decision. The information contained in this report covers engineering, procurement, construction, and environmental compliance activities that were performed during September 2011.

On August 18, 2011, Solar Trust of America (STA) announced the company intends to pursue a switch in technology from concentrated solar thermal to photovoltaics at the BSPP. This commercial decision will require some revised environmental permitting analysis. STA met with the CEC staff on August 24, 2011 to discuss next steps for re-permitting and onsite activities. On August 26, 2011 we submitted a detailed letter explaining the maintenance activities that are planned for the re-permitting period. The purpose of the letter was to explain what activities STA believes are necessary to implement its commitment to remain in compliance with all conditions of certification. We understand that CEC Staff is currently reviewing the letter and will provide a written response.

Overall Project Status

As stated above, and communicated to the CEC, PVSI will be shifting to a maintenance mode. It is anticipated that the Project will shift to maintenance in Mid-October 2011. The on-site staff is preparing the site for transition, and ensuring that environmental or health and safety impacts will be avoided during the maintenance stage. As of this MCR, the percentage completed will not continue to be reported as there will be no further increased in percentage completed until the Project is re-permitted.

Engineering

There was no engineering work performed in September 2011 by KPE because of STA's decision to re-design the Project.

Procurement

The procurement for September 2011 consisted of Silt Fence.

Construction

During September, KPC conducted safety training for new staff and visitors, completed shake out of stock piles, completed grinding operations, completed ESA fence removal in Phase 1B area, completed WBO buffer fence removal, installed 2 check dams, completed permanent DT fence installation at southern end of Dracker Drive, completed silt fence repairs due to vandalism, started dust palliative application, continued dust control activities, and performed SWPPP-related maintenance and repairs.

Weekly coordination calls and monthly meetings were held during the reporting period between STA Compliance Team, PVSI, AECOM (PVSI's environmental contractor), KPE, and KPC. An *Early Works 3-Week Look Ahead* schedule for the construction activities is included in Exhibit 1. A key events list is included in Exhibit 2. The commercial operation date (COD) for the BSPP will be provided upon finalization of the revised Project schedule.

EPC Activities Accomplished During Reporting Period

This section of the MCR provides detailed information on the engineering, procurement, and construction activities that were accomplished during the reporting period.

All engineering and design activities are currently on hold pending the submittal and approval of the Project redesign. There are no further engineering activities planned until the Project has completed the necessary re-permitting.

Procurement. KPC conducted the following procurement related activities during September 2011:

- Ordered and received 6,000 LF of Silt Fencing.

Procurement activities *planned* for October 2011 include:

- None.

Construction. The following section discusses the construction activities conducted during September 2011 and those planned for October 2011. Representative photographs of the construction activities performed during the reporting period are included in Exhibit 3.

Biological, cultural, and paleontological resource monitors participated in weekly look-ahead meetings to discuss planned activities and were onsite as required during the reporting period. Major construction activities performed during the reporting period included:

- Completed shake out of stock piles.
- Completed grinding operations.
- Loaded out 4 connex, 1 diesel tank, 2 backhoe tires, rock bucket.
- Continued silt fence (SWPPP) maintenance.
- Continued dust control activities.
- Completed ESA fence removal in Phase 1B area.
- Completed WBO buffer fence removal.
- Installed 2 check dams at culvert K.
- Completed permanent DT fence installation at southern end of Dracker Drive.
- Completed permanent material move to AECOM's storage unit.
- Completed silt fence repairs due to vandalism.
- Started dust palliative application.

Construction activities *planned* for October 2011 include the following:

- Continue dust control activities.
- Continue demobilizing equipment.
- Complete application of dust palliative to areas of disturbance within Phase 1A boundary.

Compliance Activities

This section of the MCR focuses on PVSI's activities related to ensuring that compliance with all the Conditions of Certification as currently outlined in the BSPP Commission Decision are achieved in a timely and satisfactory manner. The following information is provided per the requirements set forth in Condition of Certification COM-6.

Compliance Matrix. The compliance matrix was updated during the reporting period to reflect the dates that compliance submittals were provided to the CEC and the dates approvals were

obtained from the CBO, CEC CPM, or delegate agency. A reformatted compliance matrix to reflect the maintenance stage is included as Exhibit 4.

Completed Compliance Activities. During the reporting period, the following documents were submitted to the CEC CPM for review and approval.

Date	To	Condition	Subject
09/12/11	CEC	Waste-01	UXO for Phase 1B
09/20/11	CEC	BIO-12, Bio-18, Bio-20, Bio-21, Bio-22, Bio-26	Supplemental Information to the Mitigation Land Acquisition Proposal
09/20/11	CEC	COM-06	MCR # 10
09/20/11	CEC	COM-06	MCR #10 Confidential Sections
09/30/11	CEC	For Information Purposes	Sent copies of request to cancel ATC's

Required Documents Submitted With This Report. The Commission Decision sets forth specific conditions, many of which include reporting requirements that must be addressed in the Project's MCR. The following paragraphs describe the compliance activities that were completed during the reporting period:

- ♦ AQ-SC01 (AQCOMM): As required by the Condition of Certification, the Air Quality Construction Mitigation Manager (AQCOMM) is responsible for directing and documenting compliance with the construction-related air quality Condition of Certification at the Project site and linear facilities. Additional monitors will be assigned as needed to cover times when there are multiple tasks occurring simultaneously that require oversight, extended hours of construction, or when the AQCOMM is unavailable. A copy of the AQCOMM's monthly report is included in Exhibit 5, and the daily monitoring log is available on site for the CPM's inspection.
- ♦ AQ-SC02 (AQCMP): Construction mitigation measures as set forth in this condition and in the Project's approved Air Quality Construction Mitigation Plan (AQCMP) were complied with during the reporting period. Specific information on the implementation of the plan's measures is included in the AQCOMM's Monthly Report included in Exhibit 5.

- ♦ AQ-SC03 (Construction Fugitive Dust Control): The onsite construction well continues to produce water for dust control. Clearing and grubbing operations continued with water trucks providing dust control as frequently as needed. Also in an effort to mitigate dust plumes, speeds are being limited for all construction vehicles.
- ♦ AQ-SC04 (Dust Plume Response Requirement): KPC is responding to all visible dust plumes by increasing the application of water where needed. If watering does not adequately mitigate the dust plume, construction activities in that area are suspended until conditions improve.
- ♦ AQ-SC05 (Diesel-Fueled Engines Control): All construction equipment on site has been inspected by the AQCMM or his delegate and meets the requirements established in the Condition of Certification AQ-SC5. Equipment log and emissions documentation are included in Exhibit 5.
- ♦ BIO-02&04: Copies of all written reports and summaries that document biological resources compliance activities, including those conducted by the Biological Monitors (BMs) are provided in the Designated Biologist's (DB) monthly report included in Exhibit 6.
- ♦ BIO-06: During September, the total number of personnel who received the Construction Worker Environmental Awareness Training was 7. The number of personnel who have received the training to date is 258. Copies of the Worker Environmental Awareness Program (WEAP) training sign-in sheets for the monthly reporting period are included in Exhibit 7.
- ♦ BIO-07 (Implementation of Biological Resources Mitigation Implementation and Monitoring Plan [BRMIMP]): The DB's monthly report is included in Exhibit 6.
- ♦ BIO-08: This condition requires that the DB/BM provide monthly documentation on how the impact avoidance and minimization measures have been implemented during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).
- ♦ BIO-09: This condition requires that the DB/BM provide documentation of DT clearance surveys and fencing installation during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).
- ♦ BIO-11: Desert Tortoise compliance verification activities conducted during the reporting period are described in the DB's monthly report included in Exhibit 6.
- ♦ BIO-16: This condition requires that the DB/BM provide documentation of pre-construction nest surveys conducted during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).

- ♦ BIO-17: This condition requires that the DB/BM provide documentation of implementation of Kitfox/Badger mitigation and avoidance measures during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).
- ♦ BIO-18: This condition requires that the DB/BM provide documentation of implementation of burrowing owl mitigation and avoidance measures during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).
- ♦ BIO-19: There are no special status plants on the Project Site. No further analysis required.
- ♦ BIO-22: Not applicable to this reporting period.
- ♦ CIVIL-01: Not applicable to this reporting period.
- ♦ COM-05: A reformatted compliance matrix to reflect the maintenance stage is included in Exhibit 4.
- ♦ COM-06: Key Events List is included in Exhibit 2.
- ♦ CUL-15: During September, the total number of personnel who received the Construction Worker Environmental Awareness Training was 7. The number of personnel who have received the training to date is 258. Copies of the WEAP training sign-in sheets for the monthly reporting period are included in Exhibit 7.
- ♦ CUL-16: Daily monitoring reports were provided by the Cultural Resources Specialist (CRS) to the CEC electronically during September. The CRS's monthly report for the reporting period is included in Exhibit 6.
- ♦ GEN-02: Re-issued the integrated level 2 schedule for CBO review & approval.
- ♦ GEN-03: PVSI's payments to the CBO during September were in the amount of \$ 48,949.94.
- ♦ GEN-06: There were no activities requiring special inspection for September.
- ♦ GEN-07: No discrepancy in design and/or construction has been discovered in any engineering work that has undergone CBO design review and approval.
- ♦ GEN-08: To date, no work has been completed that has required CBO inspection and approval.
- ♦ MECH-01: Not applicable to this reporting period.

- ♦ PAL-04: During September, the total number of personnel who received the Construction Worker Environmental Awareness Training was 7. The number of personnel who have received the training to date is 258. Copies of the WEAP training sign-in sheets for the monthly reporting period are included in Exhibit 7.
- ♦ PAL-05: The Paleontological Resource Specialist's monthly report for the reporting period is included in Exhibit 6.
- ♦ PAL-06: Any signed contracts or agreements executed during the monthly period are referenced in the paleontological resource specialist's monthly report included in Exhibit 6.
- ♦ S&W-01: On September 5th 2011 (approximately 0.005") and September 12th 2011 (approximately 0.03") the project encountered small rain events which caused minor erosion along the fence line. SWPPP maintenance was completed on all DT fencing and Check Dams. All erosion and sediment control measures will remain as planned for the foreseeable future and the effectiveness of the DESCP will continue to be evaluated as circumstances warrant (see SWPPP Inspection checklists included in Exhibit 8). The measures set forth within the DESCP were effective for this month. A Daily Water Usage Log is included in Exhibit 9.
- ♦ STRUCT-01: Not applicable to this reporting period.
- ♦ STRUC-03: No design changes have been filed with the CBO.
- ♦ STRC-04: There have been no CBO approvals of plan checks this month for submittal to the CPM.
- ♦ TRANS-03: No heavy haul permits were obtained from Caltrans or Riverside County during September.
- ♦ TRANS-04: No encroachment permits were received from Caltrans or Riverside County during September.
- ♦ TRANS-06: No hazardous materials transportation permits were received from Caltrans during September.
- ♦ TSE-01: In accordance with this condition, an updated master submittal log is available online via the CBO's website for the BSPP.
- ♦ TSE-04: Not applicable to this reporting period.

- ♦ Worker Safety-03: A copy of site construction safety supervisor's (CSS) safety report for September is included in Exhibit 10.
- ♦ Worker Safety-04b: A copy of the CBO safety monitor's report for September is included in Exhibit 11.

Submittal Deadlines Not Met. None.

Approved Changes to Conditions of Certification. None.

Filings or Permits Issued by Other Governmental Agencies. None.

Projected Compliance Activities for October 2011/November 2011. In addition to continued reporting on the standard compliance items that require monthly updates, PVSI anticipates that the following compliance documents will be submitted in the October or November MCRs:

- COM-06: Monthly Compliance Report
- Worker Safety-01: Updated Worker Safety Plan

Listing of Additions to Onsite Compliance Files During Reporting Period. Copies of the documents included in the exhibits to this monthly compliance report have been added to the onsite compliance files.

Requests to Dispose of Items Required to be in Compliance Files. For this reporting period, no requests are being made for the disposal of items listed in the Project owner's compliance files.

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Exhibit 1
Early Works 3-Week Look Ahead Schedule



Blythe Solar Power Project		9/25/2011																							
Work	Crew	3 Week Look-Ahead																		Week 4					
		W 21-Sep	Th 22-Sep	F 23-Sep	SS 25-Sep	M 26-Sep	T 27-Sep	W 28-Sep	Th 29-Sep	F 30-Sep	SS 3-Oct	M 4-Oct	T 5-Oct	W 6-Oct	Th 7-Oct	F 10-Oct	SS 10-Oct	M 11-Oct	T 12-Oct	W 13-Oct	Th 14-Oct	F 17-Oct	-	21-Oct	
Well Site																									
Survey																									
Tortoise Fence / Silt Fence																									
Misc.																									
Main Plant Rd																									
Chipping (C&G)		Chip MPR & Shared Services	Haul Off Chipped Material			Prep Shared Services For Dust Palliative Placement																			
Soil Cement						Dust Palliative Placement		Dust Palliative Placement Cont'd					Dust Palliative Placement Cont'd If Necessary												
Clear & Grub Shared Services	KPC (2)																								
Jobsite Close Out	KPC (2)												Jobsite Close Out												
Misc	KPC (2)	Move Permanent Material To AECOM Storage				Silt Fence Repair		Silt Fence Repair	Silt Fence Repair & Fill Under Klein Tank																
Misc						Equipment Maint.		Equipment Maint.																	
Subs/ Suppliers																									
Trucking				1 Yellow C- Van 1 Air Compressor 2 Tires 1 Diesel Tank								1 Enviro Connex 1 Backhoe 1 Light Plant 1 Gen Set 2 Filters 1 Air Compressor													
Deliveries						Mini Excavator			Haz Waste																

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Exhibit 2
Key Events List

KEY EVENTS LIST

PROJECT: Blythe Solar Power Project

DOCKET #: 09-AFC-6C

CEC COMPLIANCE PROJECT MANAGER: Mary Dyas

EVENT DESCRIPTION	DATE
Date of Certification	9/15/10
Obtain Site Control	11/04/10
Online Date	TBD
POWER PLANT SITE ACTIVITIES	
Start Site Pre-Mobilization	11/22/10
Start Ground Disturbance	11/29/10
Start Grading	12/15/10
Start Construction	12/15/10
Begin Pouring Major Foundation Concrete	TBD
Begin Installation of Major Equipment (begin erection of ACC)	TBD
Completion of Installation of Major Equipment	TBD
First Combustion of Gas Turbine	TBD
Obtain Building Occupation Permit	TBD
Start Commercial Operation – UNIT 1	TBD
Start Commercial Operation – UNIT 2	TBD
Complete All Construction	TBD
TRANSMISSION LINE ACTIVITIES	
Start T/L Construction	TBD
Synchronization with Grid and Interconnection	TBD
Complete T/L Construction	TBD
HEAT TRANSFER FLUID (HTF) ACTIVITIES	
HTF Delivery	TBD
WATER TREATMENT FACILITY ACTIVITIES	
Turn Over in Commissioning Water Treatment	TBD
Complete Turnover in Commissioning Water Treatment	TBD

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Exhibit 3
Construction Photographs



Dust Control on Dracker Drive



Removal of Western Burrowing Owl Fence



Stockpile Vegetation for Grinding Operation



Grinding Operation



Moved Fence Materials to AECOM Storage Unit



Silt Fence Repair in Shared Facilities Area (Vandalism)



Repair Check Dams along Main Plan Road (Vandalism)



Dust palliative application in Shared Facilities Area



Begin De-Mobilization



Preparing Vegetation for Grinding operation (Dust Control)

Blythe Solar Power Project
(09-AFC-6C)

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Exhibit 4
Compliance Maintenance Matrix

Blythe Solar Power Project
(09-AFC-6C)

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Exhibit 5
Air Quality Construction Mitigation Documentation

AQCMM Monthly Summary for September 2011

Blythe Solar Power Project

Weather

Temperatures ranged from the 64 to 109 (degrees F) with sunny days. On September 5th 2011 (approximately .005") and September 12th 2011 (approximately .03") the project encountered small rain events which caused erosion repairs along the fence line. The installation of the check dams served its purpose in most areas.

Air Quality

Site work activities this month that had the potential to produce fugitive dust emissions included clearing and grubbing as well as operations on the main plant road. To mitigate fugitive dust emissions, a water truck was being utilized as frequently as needed. If watering does not adequately mitigate the dust plume, construction activities in that area are suspended until conditions improve.

The Air Quality Construction Mitigation Plan (AQCMP) for the Blythe Solar Power Project requires all construction equipment to be inspected by the Air Quality Construction Mitigation Manager (AQCMM). All construction equipment on site has been inspected by the AQCMM or his delegate and meets the requirements of California Air Resources Board (CARB). The major pieces of equipment onsite may be found in the following equipment list.

AQ-SC3(b) states that all unpaved roads shall be stabilized with a non-toxic soil stabilizer. For the reason that we do not plan to enter the Solar Field 1A section anytime soon and instead of having the water truck water down that area for dust control reasons until we plan on building in that area, we decided to apply Soil Sement on the unpaved road. The dust control plan states that dust control requires water or a soil binder, thus the Solar Field 1A area is in compliance with the BLM approved binder called Soil Sement and the rest of the disturbed areas on the project as being treated with water.



KIEWIT POWER CONSTRUCTORS CO.

9401 Renner Blvd, Lenexa, KS 66219
Phone: (913) 928-7800 • Fax: (913) 928-4800

Blythe Solar Power Project Construction Equipment Emissions Inspection

The Air Quality Construction Mitigation Plan (AQCMP) for the Blythe Solar Power Project requires all construction equipment to be inspected by the Air Quality Construction Mitigation Manager (AQCMM) or Delegate prior to use.

Inspector: John Upton

Equipment Description: John Deere Excavator

Equipment Make / Model: John Deere 120D Excavator w/ thumb

Equipment Serial Number: 1FF120DXEA0037687

Engine Model: 4045HT045

Engine Family: ASDXL06.8106

Engine Serial Number: PE4045L788364

EIN Number: MID4095

Comments: TIER III

The construction equipment referenced above has been inspected by the AQCMM or delegate and meets the emissions requirements identified in the California Energy Commission Condition of Certification AQ-SC5.

John Upton
Signature
(AQCMM or Delegate)

9-16-11
Date

California Environmental Protection Agency
Air Resources Board

March 1, 2009

CERTIFICATE OF REPORTED COMPLIANCE
OFF-ROAD DIESEL VEHICLE REGULATION

is issued to

HERTZ EQUIPMENT RENTAL CORPORATION

This certificate indicates that the fleet listed above has reported off-road diesel vehicles to the California Air Resources Board in compliance with title 13, CCR, section 2449. All applicable vehicles owned by the individual, company or agency must be reported and labeled, as specified in Section 2449, with all possible completeness, else this certificate is null and void.

Off-road Diesel Fleet Identification



Robert Cross
Division Chief, Mobile Sources Control Division
California Air Resources Board

1035

To verify the authenticity of this certificate, enter this number at
http://www.arb.ca.gov/doors/public_info.php

[illegible][illegible]

[illegible][illegible]

Blythe Solar Power Project Dust Mask Log

[illegible]

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Exhibit 6
Resource Specialists' Monthly Reports
**(Monthly Report of Cultural Resources
Monitoring Activities Filed Confidentially)**

**BLYTHE SOLAR POWER PROJECT PHASE 1A
MONTHLY COMPLIANCE
BIOLOGICAL RESOURCES REPORT
FOR SEPTEMBER 2011**

Prepared for:

Palo Verde Solar I, LLC
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Prepared by:

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October 2011

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INTRODUCTION

On behalf of Palo Verde Solar I, LLC (PVSI), AECOM biologists performed biological resource construction monitoring in September 2011 for Phase 1A of the Blythe Solar Power Project (Project or BSPP). Phase 1A includes development of the initial production well, creation of an equipment staging area around the production well, development of a Shared Facilities (Services) area, development of an East/West (E/W) Connector Road linking the Well (Staging) Area to the north end of the Main (Permanent) Access Road, development of the Main Access Road itself, and construction of a portion of the Unit 1. Biological monitoring of Phase 1A construction in September was conducted in compliance with the following agency approvals and permits issued for the Project:

- California Energy Commission's (CEC's) Final Conditions of Certification (COCs) (Blythe Solar Power Project Commission Decision, CEC-800-2010-009-CMF, DOCKET NUMBER 09-AFC-6 September 15, 2010)
- Blythe Solar Power Project Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP, Docket Number 09-AFC-6C, October 2010) and appended Compliance Plans:
 - Revegetation Plan (Appendix C of BRMIMP)
 - Desert Tortoise Relocation/Translocation Plan (Appendix D of BRMIMP)
 - Raven Management Plan (Appendix E of BRMIMP)
 - Weed Management Plan (Appendix F of BRMIMP)
 - Burrowing Owl Mitigation Plan (Appendix G of BRMIMP)
 - Couch's Spadefoot Toad Protection and Mitigation Plan (Appendix I of BRMIMP)
- U.S. Fish and Wildlife Service (USFWS) Section 7 Biological Opinion (BO) on the Blythe Solar Power Plant No. FWS-ERIV-09B0186-10F0880 (October 8, 2010) and BO Amendment (March 28, 2011)
- Bureau of Land Management (BLM) Right of Way (ROW) Grant, Serial Number CACA-048811 (November 1, 2010)
- Record of Decision (ROD), BSPP and Amendment to the California Desert Conservation Area Plan, BLM Case File Number CACA-048811, Environmental Impact Statement FES 10-41 (October 2010)

This report documents compliance monitoring activities and species observed on site during biological monitoring conducted in September 2011. The following biological monitoring took place in September:

- Biological monitoring of silt fence repairs and vegetation consolidation and chipping along Main Access Road;
- Biological monitoring of check dam repairs along Main Access Road;
- Biological monitoring of Environmentally Sensitive Areas (ESA) fence removal at botany and toad ESAs;
- Biological monitoring of vegetation consolidation and chipping in Shared Facilities;
- Biological monitoring of backfilling of water tank ramp in Well Area;
- Weekly reconnaissance for ravens, focusing on potential subsidies.

A list of wildlife species observed and photos taken during these activities are provided in Attachments 2 and 3, respectively.

PROJECT LOCATION AND DESCRIPTION

The Project site is located in the Southern California inland desert, approximately 8 miles west of the city of Blythe and 2 miles north of Interstate 10 (I-10) in Riverside County (County), California. The Project is located on a 7,025-acre ROW owned by the federal government and managed by the BLM, pursuant to an ROW grant issued to PVSII from BLM and the parallel electric power plant certification issued by CEC. The total Project Disturbance Area (at build out) will be 7,025 acres. Phase 1A of the Project (the current phase), which totals 773 acres, is shown in Figure 1.

MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS

Biological mitigation measures for the BSPP site were developed through consultation with CEC, the California Department of Fish and Game (CDFG), USFWS, and BLM. Biological mitigation measures and permit conditions were implemented under the guidance and direction of the Project Designated Biologist (DB), with assistance from approved Biological Monitors (BMs), as required.

During September 2011, Project activities were in compliance with the COCs that apply to the construction activities. These COCs are as follows:

- BIO-1: Designated Biologist Selection and Qualifications
- BIO-2: Designated Biologist Duties
- BIO-3: Biological Monitor Selection and Qualifications
- BIO-4: Biological Monitor Duties
- BIO-5: Designated Biologist and Biological Monitor Authority
- BIO-6: Worker Environmental Awareness Program
- BIO-7: Biological Resource Mitigation Implementation and Monitoring Plan
- BIO-8: Impact Avoidance and Minimization Measures
- BIO-9: Desert Tortoise Clearance Surveys and Fencing
- BIO-10: Desert Tortoise Relocation/Translocation Plan
- BIO-11: Desert Tortoise Compliance Verification
- BIO-13: Raven Management Plan
- BIO-14: Weed Management Plan
- BIO-17: American Badger and Desert Kit Fox Impact Avoidance and Minimization Measures
- BIO-18: Burrowing Owl Impact Avoidance, Minimization, and Compensation Measures
- BIO-19: Special-Status Plant Impact Avoidance, Minimization, and Compensation
- BIO-22: Mitigation for Impacts to State Waters
- BIO-26: Couch's Spadefoot Toad Impact Avoidance and Minimization Measures

No pre-construction biological surveys were conducted during September, and COCs dealing solely with pre-construction surveys are not covered in this month's report. The remaining biological COCs pertain to compensatory mitigation or the Project's operations phase and are therefore also not covered in this report.

Starting in October, project is shifting to maintenance phase, therefore daily biological resources monitoring by the DB and/or BM will not be necessary. A monthly site visit will be conducted by an approved BM and the Designated Botanist during the maintenance period. The Environmental Compliance Monitor (ECM) will conduct the necessary daily/weekly monitoring tasks according to the COC's and the BRMIMP and appended compliance plans. Maintenance period monitoring activities will include the following:

- Appropriately timed monitoring for weed species in disturbed areas and weed treatment of disturbed areas after fall germination per the Weed Management Plan. A monthly site visit will be conducted by the Designated Botanist, and the ECM will monitor for potential weed infestations on a daily/weekly basis.

- The ECM will record any special-status species observed during maintenance monitoring and report findings to the DB.
- Per BIO-9, monthly desert tortoise (DT) fence inspections will be conducted by a BM; inspections will occur within 24 hours of rain events and permanent repairs to damaged areas will be made within 48 hrs; if DT may have entered, the DB will inspect the site.
- The ECM will inspect cattle guards daily.
- Per the Raven Management Plan, weekly raven monitoring for potential roost sites and subsidies will be conducted by the ECM; adaptive management will be determined as necessary by the DB.
- Standardized data forms will be filled out and monthly compliance reports of these activities will be prepared

Given that construction activities are being suspended, botany and toad ESAs located adjacent to the BSPP were removed in September. They are only required during active construction according to BIO-19 and BIO-26, could attract attention to the resources they are designed to protect, and present a potential maintenance issue during this period.

Biological monitoring activities completed in September are described in further detail below.

WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP)

The DB continues to administer a BSPP-specific Worker Environmental Awareness Program (WEAP) that includes a brochure, training video, species cards, and hard hat stickers. As required by COC BIO-6, all new employees/field staff reporting to the site must receive the WEAP training prior to start of work.

All personnel reporting to the field in September received WEAP training, as detailed in the comprehensive MCR. A Kiewit Safety and Compliance Manager, assisted by the DB, administered the WEAP training to new employees. Signed affidavits are kept on file by the Kiewit Safety and Compliance Manager and the PVSİ Compliance Manager.

METHODOLOGY

Biological Monitoring

Construction monitoring was conducted in compliance with COCs BIO-8 and BIO-9. Construction activities were confined to the surveyed and staked and/or fenced disturbance boundaries in accordance with these conditions. Areas not yet fenced with DT exclusion fencing

were monitored during construction and related disturbance activities (e.g., driving of equipment, water truck spraying, and cultural resource testing) and were cleared for DT prior to the start of the work day. Construction activities were monitored by the DB or BM (with DB oversight). When clearing, grubbing, and grading occurred in these areas, the DB or BM walked ahead of the construction equipment as it moved along its designated path.

Data Collection and Management

Biological monitoring data were collected on designated Daily Biological Monitoring Logs and electronically scanned/uploaded daily. Global Positioning System (GPS) data (e.g., special-status species detections, sign, and burrow data) were also collected and uploaded daily. A database is maintained of all GPS data and detailed survey results.

SUMMARY OF ACTIVITIES

Activities for September 2011 were as follows:

September 1-9:

- Biological monitoring of vegetation stockpiling along Main Access Road.
- Biological monitoring of storm water pollution prevention plan (SWPPP) work along Main Access Road.
- Biological monitoring of botany and toad ESA fence removal in Phase 1b.
- Biological monitoring of Western Burrowing Owl (WBO) fence removal just north of the Well Yard.

September 12-16:

- Biological monitoring of vegetation stockpiling in Shared Facilities.
- Biological monitoring of DT fence installation at south end of Main Access Road.
- Fence and cattle guard inspections along Main Access Road.

September 19-23:

- Fence inspection and biological monitoring of repairs to vandalized silt fence along Main Access Road.
- Biological monitoring of vegetation chipping along Main Access Road.
- Biological monitoring of vegetation chipping operations in Shared Facilities.
- Biological monitoring of equipment removal from Well Yard.

September 26-30:

- Biological monitoring of silt fence repairs along Main Access Road.
- Biological monitoring of vegetation chipping and removal activities in Shared Facilities.

GENERAL DAILY NOTES AND OBSERVATIONS

Table 1 summarizes construction and biological monitoring activities and observations. Daily notes detailing compliance monitoring activities are provided in Attachment 4.

Table 1 Compliance Monitoring Observations

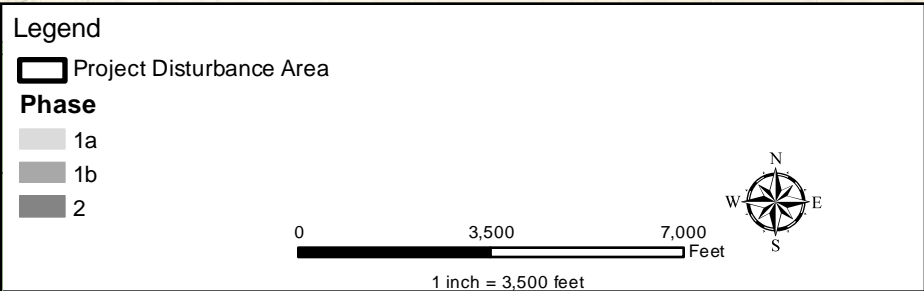
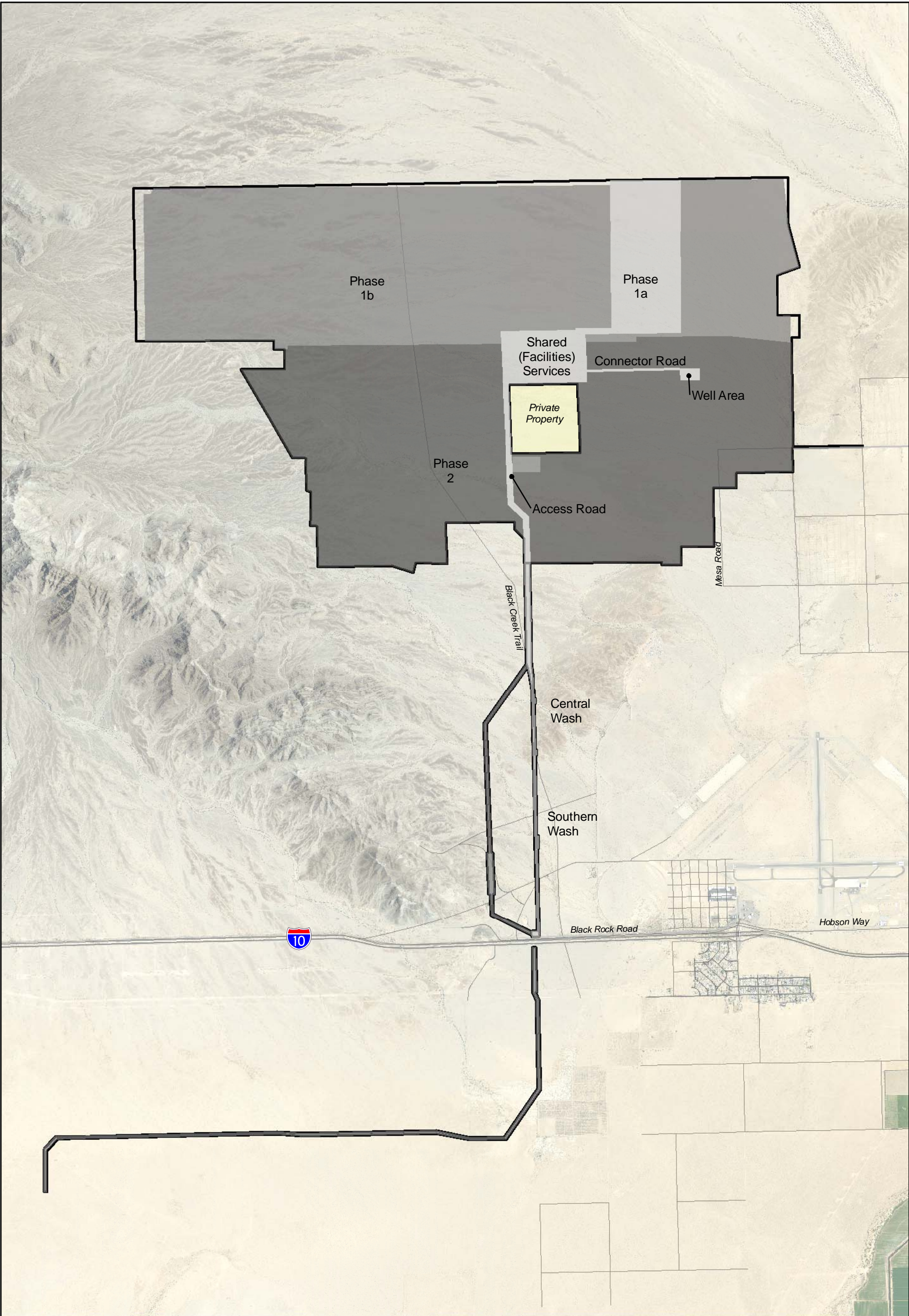
Location	Construction Activity	Start Date	End Date	Survey Type	Monitor	Special-Status Species	Observations
PHASE 1A							
Main Access Road	None	1-Sep	1-Sep	None	Ray Romero (DB)	None	Coordinated with Amandeep on work activities. Recommended replacing temporary DT fence with permanent at south end of Main Access Road.
	Vegetation Stockpiling	2-Sep	19-Sep	Biological Monitoring	Ray Romero (DB)	None	Monitoring skiploader stockpiling vegetation in preparation for chipping.
	SWPPP Work	2-Sep	13-Sep	Biological Monitoring	Ray Romero (DB)	None	Monitored SWPPP work along Main Access Road. Crews adding rock to two check dams at culvert K. Monitored installation of check dams at culvert K. Rock will be placed at a later date. Crews are removing fencing around Toad ESA.
	DT Fence Installation	14-Sep	16-Sep	Biological Monitoring	Ray Romero (DB)	None	Crews burying temporary fence at south end of Main Access Road, and continuing on to install permanent DT fencing by hand.
							Continuation of DT fence installation by hand at south end of Main Access Road.
							Monitoring crews hand-backfilling DT fence at south end of Main Access Road. Also, inspecting existing fencing and cattle guards. Requested that cattle guards be cleaned out. Crews working on cattle guard cleaning at south end of Main Access Road.
	Vegetation Chipping	19-Sep	19-Sep	Biological Monitoring	Ray Romero (DB)	None	Stockpiled vegetation along Main Access Road ready for chipping at culvert I, private land owner cattle crossing, and culvert D. Laborers continuing to clean out cattle guards.

Main Access Road	Vegetation Chipping	20-Sep	20-Sep	Biological Monitoring	Ray Romero (DB)	None	Chipping of vegetation to start at culvert K and continue north along main road. Chipping completed along main road.
	Silt Fence Damage Assessment & Repair	23-Sep	30-Sep	Biological Monitoring	Ray Romero (DB)	None	All silt fencing between check dams 13-23 between the S turn on Main Access Road and Shared Facilities was removed by vandals. Estimated distance at 5,450 linear feet. Documented damage with photos. Drove around site to inspect for further damage. No other damage found. DT fence intact.
							Repair on vandalized silt fencing started at check dam 23, working north along Main Access Road. Mini-excavator being used; 800 feet of silt fencing was installed today. Monitored excavation activities.
							Monitored continued fence repair. Water trucks providing dust control. 1600 feet of silt fence replaced today.
							Continued monitoring of silt fence repair. Inspected trench prior to backfilling with loader. Crew began applying soil cement along main road. Over 1200' of silt fence installed today, to corner of Main Access Road and Shared Facilities.
							Continued monitoring of silt fence repair. Inspected trench prior to backfilling with loader. All silt fencing in place by Sept. 29, and backfilling completed Sept. 30.
Shared Facilities	Vegetation Chipping	20-Sep	20-Sep	Biological Monitoring	Ray Romero (DB)	None	Begin chipping of large pile of vegetation in shared facilities. Activity is more than 100 yards from kit fox burrows. Have been monitoring burrows closely for 2 weeks and have not seen any new sign - tracks or excavation material, scat, or foxes - during this time.

Shared Facilities	Vegetation Chipping	21-Sep	22-Sep	Biological Monitoring	Ray Romero (DB)	None	Monitoring continuation of vegetation chipping. All vegetation piles completed chipping today. Coordinated with ECM on work activities, also trained him to take over bio compliance reporting during maintenance periods.
							Monitoring loading of chipped vegetation into dumpsters; dumpsters being hauled off site.
Well Yard	WBO Fence Removal	8-Sep	9-Sep	Biological Monitoring	Ray Romero (DB)	None	Monitored beginning of removal of WBO fence just north of well yard.
							WBO fence removal is complete. Workers removing signage at entrance to well yard. Placing used fencing materials in well yard.
	Equipment Removal	23-Sep	23-Sep				Equipment being prepped for removal from site. Two water trucks will remain for dust control.
	Water tank ramp backfilling	28-Sep	28-Sep				Monitored backfilling the ramp to Klein water tank.
	Maintenance Work	30-Sep	30-Sep				Crew performing maintenance work in yard. Soil cement crew finishing application.
Phase 1b							
- Botany ESAs 4,5,6,7,8,9	ESA Fence Removal	2-Sep	6-Sep	Biological Monitoring	Ray Romero (DB)	none	Monitored removal of botany ESA fences at locations 4 through 7. Found DT carcass between ESA 7 & 8.

ATTACHMENT 1

FIGURES



Blythe Solar Power Project

Figure 1
Monthly Compliance
Biological Resources
Report - September

Source: NAIP 2009; Riverside County 2010; AECOM 2011

SOLAR TRUST OF AMERICA

AECOM

Date: October 2011

ATTACHMENT 2

**SPECIES OBSERVED DURING SEPTEMBER
MONITORING**

**WILDLIFE SPECIES DETECTED DURING
BIOLOGICAL COMPLIANCE CLEARANCE SURVEYS AND MONITORING
BSPP
September 2011**

Scientific Name	Common Name
INVERTEBRATES	
Order <i>Odonata</i> , Infraorder <i>Anisoptera</i>	Dragonfly
<i>Pogonomyrmex barbatus</i>	Harvester ants
AMPHIBIANS – None observed	
REPTILES	
<i>Callisaurus draconoides</i>	Zebra-tailed lizard
<i>Cnemidophorus tigris</i>	Western whiptail lizard
<i>Gambelia wislizenii</i>	Long-nosed leopard lizard
<i>Phrynosoma platyrhinos</i>	Desert horned lizard
<i>Uta stansburiana</i>	Side-blotched lizard
BIRDS	
<i>Buteo jamaicensis</i>	Red-tailed hawk
<i>Callipepla gambelii</i>	Gambel's quail
<i>Cathartes aura</i>	Turkey vulture
<i>Columba livia</i>	Rock dove
<i>Geococcyx californianus</i>	Roadrunner
<i>Poliophtila melanura</i>	Black-tailed gnatcatcher
<i>Zenaida asiatica</i>	White-winged dove
<i>Zenaida macroura</i>	Mourning dove
MAMMALS	
<i>Dipodomys deserti</i>	Desert kangaroo rat
<i>Lepus californica</i>	Black-tailed jackrabbit
<i>Neotoma lepida</i>	Desert wood rat
<i>Sylvilagus audubonii</i>	Desert cottontail
<i>Spermophilus tereticaudus</i>	Round-tailed ground squirrel
<i>Vulpes macrotis arsipus</i>	Desert kit fox

ATTACHMENT 3

PHOTOS

Date & Time: Fri Sep 2 09:13:32 PDT 2011
Position: 11 N 708423 3724414
Altitude: 387ft
Azimuth/Bearing: 306° N54W 5440mils (True)
Elevation Angle: -10.0°
Horizon Angle: +01.2°
Zoom: 1X
Photo 1. Looking NW at ESA Botany 9 fence removal.



Looking northwest at ESA Botany 9 fence removal. 9/2/2011

Date & Time: Fri Sep 2 11:58:37 PDT 2011
Position: 11 N 703760 3729152
Altitude: 663ft
Azimuth/Bearing: 308° N52W 5476mils (True)
Elevation Angle: -05.5°
Horizon Angle: +01.1°
Zoom: 1X
Photo 2. Looking NW at ESA Botany 7 fence removal.



Looking northwest at ESA Botany 7 fence removal. 9/2/2011

Date & Time: Thu Sep 8 08:09:10 PDT 2011
Position: 11 N 708457 3723946
Altitude: 469ft
Azimuth/Bearing: 223° S43W 3964mils (True)
Elevation Angle: -04.2°
Horizon Angle: +03.4°
Zoom: 1X
Photo 1. Taken by Ray Romero. Looking SW at skiploader stockpiling vegetation along Main Plant Road.



Looking southwest at vegetation stockpiling along main plant road. 9/8/2011

Date & Time: Thu Sep 8 08:13:30 PDT 2011
Position: 11 N 708460 3723942
Altitude: 95ft
Azimuth/Bearing: 203° S23W 3609mils (True)
Elevation Angle: -03.0°
Horizon Angle: +03.1°
Zoom: 2X
Photo 2. Taken by Ray Romero. Looking SW at skiploader and water truck stockpiling vegetation along Main Plant Road.



Looking southwest at dust control along main plant road during vegetation stockpiling. 9/8/2011

Date & Time: Thu Sep 8 12:01:19 PDT 2011
Position: 11 N 710267 3728334
Altitude: 482ft
Azimuth/Bearing: 041° N41E 0729mils (True)
Elevation Angle: -10.1°
Horizon Angle: -00.8°
Zoom: 1X
Photo 3. Taken by Ray Romero. Looking NE at burrowing owl fence removal.



Looking NE at burrowing owl fence removal southeast of Unit 1 9/8/2011

Date & Time: Mon Sep 12 09:16:03 PDT 2011
Position: 11 N 708504 3722248
Altitude: 414ft
Azimuth/Bearing: 080° N80E 1422mils (True)
Elevation Angle: -08.9°
Horizon Angle: +02.1°
Zoom: 1X
Photo 1. Taken by Ray Romero. Looking E at check dam installation at culvert K along Main Rd.



Looking east at check dam installation at culvert K along main road. 9/12/2011

Date & Time: Mon Sep 12 11:59:14 PDT 2011
Position: 11 N 708448 3721931
Altitude: 417ft
Azimuth/Bearing: 322° N38W 5724mils (True)
Elevation Angle: -12.3°
Horizon Angle: +02.8°
Zoom: 1X
Photo 2 - Taken by Ray Romero. Looking N at ESA Toad 2 fence removal.



Looking north at ESA Toad 2 fence removal. 9/12/2011

Date & Time: Fri Sep 16 08:52:54 PDT 2011
Position: 11 N 708507 3721136
Altitude: 410ft
Azimuth/Bearing: 275° N85W 4889mils (True)
Elevation Angle: -11.2°
Horizon Angle: +03.0°
Zoom: 1X
Photo 1. Taken by Ray Romero. Looking W at backfilling permanent tortoise fencing at S end of Main Road.



Looking west at backfilling permanent tortoise fencing at south end of main road. 9/16/2011

Date & Time: Mon Sep 19 08:00:48 PDT 2011
Position: 11 N 708482 3723943
Altitude: 476ft
Azimuth/Bearing: 239° S59W 4249mils (True)
Elevation Angle: -02.4°
Horizon Angle: +03.0°
Zoom: 1X

Photo 1. Taken by Ray Romero. Looking W at vegetation chipping operation at culvert I along Main Road.



Looking west at vegetation chipping at culvert I along main road. 9/19/2011

Date & Time: Mon Sep 19 11:56:07 PDT 2011
Position: 11 N 708179 3726322
Altitude: 446ft
Azimuth/Bearing: 044° N44E 0782mils (True)
Elevation Angle: -02.6°
Horizon Angle: +01.3°
Zoom: 1X

Photo 4. Taken by Ray Romero. Looking N at vegetation chipping operation at culvert D along Main Road.



Looking north at vegetation chipping operation at culvert D along main road. 9/19/2011

Date & Time: Wed Sep 21 07:34:49 PDT 2011
Position: 11 N 708754 3727739
Altitude: 95ft
Azimuth/Bearing: 194° S14W 3449mils (True)
Elevation Angle: -04.0°
Horizon Angle: +04.4°
Zoom: 1X
Photo 2. Taken by Ray Romero. Looking S at vegetation chipping in Shared Services.



Looking south at vegetation chipping in shared facilities. 9/21/2011

Date & Time: Thu Sep 22 09:35:26 PDT 2011
Position: 11 N 708230 3727802
Altitude: 489ft
Azimuth/Bearing: 280° N80W 4978mils (True)
Elevation Angle: -01.6°
Horizon Angle: +02.6°
Zoom: 1X
Photo 1. Taken by Ray Romero. Looking W at skiploader offloading chipped vegetation into dumpster in Shared Services.



Looking west at skiploader offloading chipped vegetation into dumpster in shared facilities. 9/22/2011

Date & Time: Fri Sep 23 08:28:55 PDT 2011
Position: 11 N 708723 3727672
Altitude: 482ft
Azimuth/Bearing: 176° S04E 3129mils (True)
Elevation Angle: -14.6°
Horizon Angle: +03.0°
Zoom: 1X

Photo 1. Taken by Ray Romero. Looking S at start point of removed silt fence at check dam 13



Looking south at starting point of vandalized silt fencing at check dam 13. 9/23/2011

Date & Time: Fri Sep 23 08:34:02 PDT 2011
Position: 11 N 708156 3727658
Altitude: 600ft
Azimuth/Bearing: 145° S35E 2578mils (True)
Elevation Angle: -10.1°
Horizon Angle: +04.4°
Zoom: 1X

Photo 2. Taken by Ray Romero. Looking S at removed silt fence at corner of shared services and main plant road.



Looking south at removed silt fence at corner of shared facilities and main road. 9/23/2011

Date & Time: Fri Sep 23 08:44:44 PDT 2011
Position: 11 N 708197 3726574
Altitude: 499ft
Azimuth/Bearing: 070° N70E 1244mils (True)
Elevation Angle: -13.0°
Horizon Angle: +01.6°
Zoom: 1X
Photo 3. Taken by Ray Romero. Looking E at end point of removed silt fence along Main Road at check dam 23.



Looking east at end point of removed silt fence along main road at check dam 23. 9/23/2011

Date & Time: Fri Sep 23 09:56:43 PDT 2011
Position: 11 N 708507 3721129
Altitude: 401ft
Azimuth/Bearing: 316° N44W 5618mils (True)
Elevation Angle: -05.6°
Horizon Angle: +02.6°
Zoom: 1X
Photo 4. Taken by Ray Romero. Looking N at signage removed at entrance to main road.



Looking north at missing signage at entrance to plant at main road. 9/23/2011

Date & Time: Mon Sep 26 08:32:49 PDT 2011
Position: 11 N 708206 3726576
Altitude: 525ft
Azimuth/Bearing: 264° S84W 4693mils (True)
Elevation Angle: -04.6°
Horizon Angle: +01.5°
Zoom: 1X

Photo 1. Taken by Ray Romero. Looking W at mini excavator during silt fence repair at check dam 23.



Looking west at repair of silt fencing along main road at check dam 23. 9/26/2011

Date & Time: Tue Sep 27 09:17:19 PDT 2011
Position: 11 N 708191 3726822
Altitude: 515ft
Azimuth/Bearing: 341° N19W 6062mils (True)
Elevation Angle: -10.5°
Horizon Angle: +01.3°
Zoom: 1X

Photo 2. Taken by Ray Romero. Looking N at check dam repair along Main Road.



Looking north at check dam repair along main road. 9/27/2011

Date & Time: Wed Sep 28 07:51:40 PDT 2011
Position: 11 N 708513 3721125
Altitude: 430ft
Azimuth/Bearing: 021° N21E 0373mils (True)
Elevation Angle: -09.3°
Horizon Angle: -01.4°
Zoom: 1X
Photo 1. Taken by Ray Romero. Looking N at damaged fence and cattle guard at Main Road entrance.



Looking north at damaged fence and cattle guard at main road entrance. 9/28/2011

Date & Time: Wed Sep 28 12:08:29 PDT 2011
Position: 11 N 710363 3727789
Altitude: 367ft
Azimuth/Bearing: 314° N46W 5582mils (True)
Elevation Angle: -03.9°
Horizon Angle: +03.3°
Zoom: 1X
Photo 3. Taken by Ray Romero. Looking W at backfilling ramp to water tank in well yard.



Looking west at backfilling the ramp to water tank in well yard. 9/28/2011

Date & Time: Thu Sep 29 08:15:09 PDT 2011
Position: 11 N 708183 3727212
Altitude: 466ft
Azimuth/Bearing: 351° N09W 6240mils (True)
Elevation Angle: -05.6°
Horizon Angle: +01.0°
Zoom: 1X
Photo 1. Taken by Ray Romero. Looking N at backfill of silt fence along Main Road.



Looking north at backfilling of replaced silt fencing along main road. 9/29/2011

Date & Time: Thu Sep 29 08:17:13 PDT 2011
Position: 11 N 708186 3727240
Altitude: 509ft
Azimuth/Bearing: 264° S84W 4693mils (True)
Elevation Angle: -02.7°
Horizon Angle: +02.8°
Zoom: 1X
Photo 2. Taken by Ray Romero. Looking W at backfill of silt fence along Main Road.



Looking west at backfilling of silt fencing along main road. 9/29/2011

ATTACHMENT 4

DAILY BIOLOGICAL MONITORING LOGS

Daily Biological Monitoring Log -- Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor: Ray Romero	Date: 9/11/11
Starting Location and Activity: Main Rd.	Site Code: Blythe
Weather: Clear, sunny, hot, no wind	Start 5:30 AM Midday 10:00 End 12:00 PM
Rainfall?	Temp: 81 101 107 % Cloud Cover: 0 0 0

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
 For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
 For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKimmon (937) 219-5242
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Botanist addressing
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Turkey Vulture	flying	Main Rd
round tailed ground squirrel	running	"
Arvicola	flying	"
Mourning doves	flying	"
side blotted lizard	running	"
Sm mammal	burrows	"

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	8	5	MT - Safety, plan, stretch/fix. Plan to make repairs to Kleg tank and replace temp DT fence @ S end of Main Rd.	1
830			Coord w/ Alexander on work activities. Need to obtain BLM approval before replacing DT fence. Kiewit will continue to do work in well yard. If plan to produce a memo for BLM to document need to replace DT temp fence w/ perm. fence in this area.	
1200			Work completed for day. Depart site.	

- Activity (ACT)¹**
1. DT Fencing
 2. Access/egress
 3. Clear/grub
 4. Grading
 5. Excavation
 6. UXO Activities
 7. SWPPP
 8. Other (specify) MTA

- Location (LOC)²**
1. DT Fence
 2. Well Site
 3. Access Road
 4. Drainage Crossings
 5. Other Kleg tank
 6. Other Main Rd
 7. Other

- Compliance Levels (CL)³**
1. Acceptable
 2. Notification
 3. Non-compliance
 4. Non-compliance Resolution

Signature: [Signature] 9/1/11

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor: <i>Ray Romero</i>	Date: <i>9/2/11</i>
Starting Location and Activity: <i>Main Rd to SSAs</i>	Site Code: <i>Blythe</i>
Weather: <i>Sunny, hot, no wind</i>	Start <i>5:30 AM</i> Midday <i>11:00</i> End <i>1:30 PM</i>
Rainfall?	Temp: <i>84</i> <i>98</i> <i>104</i>
Y <i>(N)</i>	% Cloud Cover: <i>5</i> <i>15</i> <i>40</i>

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C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/borers) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Remaining east fence in Phase 1B</i>
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Stockpiling veg in main Rd ROW</i>
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>None seen</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>Botanist addressing</i>
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: _____

Std Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species Observed		
Species	Activity (of species)	Location
Canada's quail	running	Main Rd
Mountain quail	perched	Black Rock Rd
Black-tailed gnatcatcher	perched	Phase 1B
Desert spiny lizard	running	Phase 1B
Sagebrush lizard	running	"

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	8	5	Mtg- safety, plan, stretch/flex. Plan to remove ESA fencing @ Botany 7, 8 & 9. Operator will continue to use skip loader w/ skeleton bucket to stockpile veg. in prep for chipping along Main Rd.	1
700	3	6	Monitoring skip loader stockpiling veg.	
730	1	7	Meet up w/ laborers who will be removing ESA fencing.	
900	1	7	Removing ESA Bot 8 fence.	
1000	1	7	Removing ESA Bot 9 fence.	
1200	1	7	Removing ESA Bot 7 fence.	
1240	3	6	Back to monitoring loader stockpiling vegetation along Main Rd.	
1330	3	6	Work completed for day. Depart site.	

- | | | | |
|------------------|-----------------------------------|-----------------------------------|---|
| EA | Activity (ACT)¹ | Location (LOC)² | Compliance Levels (CL)³ |
| 1. DT Fencing | 5. Excavation | 1. DT Fence | 1. Acceptable |
| 2. Access/egress | 6. UXO Activities | 2. Well Site | 2. Notification |
| 3. Clear/grub | 7. SWPPP | 3. Access Road | 3. Non-compliance |
| 4. Grading | 8. Other (specify) <i>mtg</i> | 4. Drainage Crossings | 4. Non-compliance Resolution |
| | | 5. Other <i>Kiewit office</i> | |
| | | 6. Other <i>Main Rd</i> | |
| | | 7. Other <i>Phase 1B</i> | |

Signature: _____

Ray Daniels 9/2/11

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	<i>[Signature]</i>			Date:	9/6/11
Starting Location and Activity:				Site Code:	Blythe
Weather:	not humid, cloudy, slight wind	Start	3:30 AM	Midday	11:00
				End	1:30 PM
Rainfall?	Temp:	83		96	103
<i>Last Night</i> ① N	% Cloud Cover:	100		80	75

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival

For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882

For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242

In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none observed
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SM Phase 1A BM Form with Photo Log Blythe final 011111

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		Date:	9/7/11	
Starting Location and Activity:	Shared Services		Site Code:	Blythe	
Weather:	clear sunny hot no wind	Start	5:30 AM	Midday	11:00
Rainfall?		Temp:	84		98
Y (N)		% Cloud Cover:	0		0
				End	13:30 PM

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none observed
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Western yellow throat Sage backed lark	running	Sagebrush
San marino	buzzing	"
flies	flying	"
dragon flies	"	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

[illegible]

Activity (ACT)¹

1. DT Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify)

Location (LOC):

- | | |
|-----------------------|----------|
| 1. DT Fence | 5. Other |
| 2. Well Site | 6. Other |
| 3. Access Road | 7. Other |
| 4. Drainage Crossings | |

Compliance Levels (CL)³

1. *Acceptable*
2. *Notification*
3. *Non-compliance*
4. *Non-compliance Resolution*

Signature:

by hand

9/7/11

Biological Monitor:	Ray Romero		Date:	9/7/11	
Starting Location and Activity:	Shared Services		Site Code:	Blythe	
Weather:	Clear, sunny, hot, no wind	Start	5:30 AM	Midday	11:00
Rainfall?	Temp:	84	98	End	1:30 PM
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	0	0	0	

Environmentally Sensitive Area (ESA) Monitoring Section

ESA Number(s)		
Condition	Compliance?	Comments
A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Any sensitive species observed inside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Is all stockpiling kept away from ESA, posing no threat for siltation/debris entering into ESA? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO occupied burrow, Penned DT)

Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Weekly reconnaissance focusing on potential subsidies (waste disposal areas, erected structures and staged equipment, water)

Raven Monitoring Data					
Number of Ravens Observed	Time	Location	Activity (flying; ground; perching and type of perch).	Nest Sites (Location; occupied; unoccupied)	If Unoccupied, was it removed?
0	530-1330	Phase 1A	N/A	0	N/A

Signature: _____

[Handwritten Signature]

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	<i>[Signature]</i>		Date:	9/8/11	
Starting Location and Activity:	Shaded 8000 ft. 2d		Site Code:	Blythe	
Weather:	Clear, sunny, hot, no wind	Start	5:35 AM	Midday	1:30 PM
Rainfall?	Temp:	85		103	110
Y (N)	% Cloud Cover:	0		0	0

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
 For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
 For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/borers) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none observed
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species Observed		
Species	Activity (of species)	Location
Scrub wren	running	Married
Mourning dove	clinging	
Sideline lizard	running	shared services
Western whistling lizard	running	"
SM mammal	burrows	"
Burrowing owl	owl white wash/pellets	Phase 1B, N of well yard

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	8	5	mtg - safety plan, stock/flux. plan to continue stock piling vegetation in shared services.	1
700	3	3/6	Monitoring skip loader stockpiling vegetation along Main Rd and within shared services.	
1030	3	3/6	Rec'd word from client that we rec'd BLM approval to remove WBO fence. Informed Kiewit.	
1100	1	7	Removing WBO fence just N of well yard.	
1330	1	7	Work completed for day. Depart site. plan to complete WBO fence removal tomorrow.	

- WBO** **Activity (ACT)¹** **Location (LOC)²** **Compliance Levels (CL)³**
- | | | | |
|------------------|--------------------|-----------------------|----------|
| 1. DT Fencing | 5. Excavation | 1. DT Fence | 5. Other |
| 2. Access/egress | 6. UXO Activities | 2. Well Site | 6. Other |
| 3. Clear/grub | 7. SWPPP | 3. Access Road | 7. Other |
| 4. Grading | 8. Other (specify) | 4. Drainage Crossings | |

Signature: _____

[Handwritten Signature]

9/8/11

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		Date:	9/9/11	
Starting Location and Activity:	Main Rd WBO fence		Site Code:	Blythe	
Weather:	Sunny, hot, slight breeze	Start	5:30 AM	Midday	11:00
					End 1:30 PM
Rainfall?	Temp:	85		100	105
Y (N)	% Cloud Cover:	20		25	35

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

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For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242

In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/borers) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Emmett's quail	running	Marked
Thompson dove	flying	"
night hawk	flying	"
Western whiptail lizard	Phase 1B running	Phase 1B
Side blotched lizard	"	"
Burrowing owl	white wash, pellets, burrow	Phase 1B
San mammal	burrows	"

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	2	5	Wtg - safety plan, stretch/flex. Plan to stockpile veg within MPR. Laborers will continue to remove WBO fence.	1
700	3	6	Monitoring stockpiling veg along MPR.	
800	1	7	Monitoring WBO fence removal in Phase 1B, just N of well yard.	
1240	1	7	WBO fence removal completed. Laborers removing signage @ entrance to well yard. Placing used fencing materials in well yard.	
1330	1	7	Work completed for day. Report site.	

WBO

Activity (ACT)¹

1. DT Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify) WBO

Location (LOC)²

1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other WBO
6. Other Marked
7. Other Phase 1B

Compliance Levels (CL)³

1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature:

Raymond ap/11

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero	Date:	9/12/11
Starting Location and Activity:	Wagon Planted	Site Code:	Blythe
Weather:	cloudy hot light breeze	Start	Midday
		5:30 AM	11:00
			End 1:30 PM
Rainfall?	Temp:	81	96
(Y) N	% Cloud Cover:	80	50
			40

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/borers) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no leaks
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	installing 2 check dams @ culvert
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SD Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species Observed		
Species	Activity (of species)	Location
Pigeon	flying	WPK - Moon Point Rd.
Mourning dove	"	"
Mockingbird	"	"
Black-bellied plover	calling	"
Western whistling lizard	chasing	"
Side-blotched lizard	"	"
Courtois quail	calling	"
San diego redwing	burrows	"
desert cottontail	burrows	"
chipmunks	flying	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

[illegible]

ESA

Activity (ACT)¹

Location (LOC)²

Compliance Levels (CL)³

- | | |
|--------------------------|--------------------|
| 1. DP Fencing | 5. Excavation |
| 2. Access/egress | 6. UXO Activities |
| 3. Clear/grub | 7. SWPPP |
| 4. Grading | 8. Other (specify) |

- | | |
|-----------------------|----------|
| 1. DT Fence | 5. Other |
| 2. Well Site | 6. Other |
| 3. Access Road | 7. Other |
| 4. Drainage Crossings | |

Levy's office
wanted

1. *Acceptable*
2. *Notification*
3. *Non-compliance*
4. *Non-compliance Resolution*

Signature:

Approved 9/12/11

Daily Biological Monitoring Log - Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		Date:	9/13/11	
Starting Location and Activity:	shared services		Site Code:	Blythe	
Weather:	rainy, windy, mild, warm	Start	Midday	End	
		5:30 AM	11:00	1:30 PM	
Rainfall?	Temp:	70	80	82	
(Y) N	% Cloud Cover:	100	100	100	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival

For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882

For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242

In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Red winged black	feeding	2. access rd
hairy wood pecker	chirping	"
white winged dove	chirping	"
Kat fox	burrows	shared services
sn mammal	burrows	"

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	8	5	Mtg safety, plan for day, stretch/fox. Plan to continue separating vegetation from soil & stockpiling in prep for chipping. Labors will remove signage at wellhead entrance.	1
1000	3	6	Monitoring skiploader stockpiling vegetation in shared services. Card w/ Kiewit earlier on work activities.	
1100	7	3	Adding rock to 2 check dams @ Culvert #1. Use of labors & skiploader to place rock along MPR.	
1300	7	3	Work completed for day. Depart site.	
1430			Attend Kiewit 3-wk look ahead mtg.	

- Activity (ACT)¹**
1. DT Fencing
 2. Access/egress
 3. Clear/grub
 4. Grading
 5. Excavation
 6. UXO Activities
 7. SWPPP
 8. Other (specify) mtg.

- Location (LOC)²**
1. DT Fence
 2. Well Site
 3. Access Road
 4. Drainage Crossings
 5. Other Kiewit office
 6. Other shared services
 7. Other

- Compliance Levels (CL)³**
1. Acceptable
 2. Notification
 3. Non-compliance
 4. Non-compliance Resolution

Signature: _____

9/13/11

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor: <i>Ray Romero</i>	Date: <i>9/14/11</i>
Starting Location and Activity: <i>WMA Rd. signed for vics</i>	Site Code: <i>Blythe</i>
Weather: <i>clear, sunny, warm, no wind</i>	Start <i>5:30 AM</i> Midday <i>11:00</i> End <i>1:30 PM</i>
Rainfall?	Temp: <i>68</i> <i>87</i> <i>92</i> % Cloud Cover: <i>0</i> <i>5</i> <i>15</i>
Y <i>(N)</i>	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
 For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
 For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none seen</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: _____

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species Observed		
Species	Activity (of species)	Location
hairy woodpeckers	flying	E access rd
pigeons	flying	"
fox	burrows	shared services
small mammal	burrows	"
round-tailed ground squirrel	running	MPR
red-tailed hawk	flying	"
turkey vulture	"	"
western whiptail lizard	dragging	"

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	8	5	MPR safety plan, stretch/flex plants bury temp fence @ S end of MPR. Laborers will hand dig and place fencing 12" underground. Operator will continue to separate veg. from dirt & stockpile in prep for chipping. Arch & NA monitors onsite to support permanent DT fence installation @ S end of MPR.	1
900	3	6	Spot checking skid loader working in SS. Stockpiling veg in prep for chipping.	
1100	1	3	Back to monitoring DT fencing @ MPR. Placing permanent DT fencing along S end of MPR. Trench being dug by hand by laborers. Need to continue trenching by hand tomorrow. Arch & NA monitors will be back onsite tomorrow.	
1300	1	3	Work completed for day. Depart site.	

- Activity (ACT)¹**
1. DT Fencing
 2. Access/egress
 3. Clear/grub
 4. Grading
 5. Excavation
 6. UXO Activities
 7. SWPPP
 8. Other (specify) *MPR*

- Location (LOC)²**
1. DT Fence
 2. Well Site
 3. Access Road
 4. Drainage Crossings
 5. Other *know it, off to shared services*
 6. Other *shared services*
 7. Other

- Compliance Levels (CL)³**
1. Acceptable
 2. Notification
 3. Non-compliance
 4. Non-compliance Resolution

Signature: _____

Raymond 9/14/11

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		Date:	9/15/11	
Starting Location and Activity:	Main Rd. started services		Site Code:	Blythe	
Weather:	Clear sunny, warm, slight wind		Start	5:30 AM	Midday 11:00
Rainfall?	Temp:	71		92	End 1:30 PM
Y N	% Cloud Cover:	3		5	5

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Sm. mammal	burrows	Washed
Western whiptail lizard	foraging	"
litter	burrows	shared services

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	8	5	Wk - Safety, plan, stretch/Plx. Plan to continue to install permanent DT fence @ S. end of MPR. Continue trenching by hand. Operator will continue separating vegetation & stockpiling in shared services.	1
730	1	3	Monitoring DT fence installation S. end of MPR.	
940	3	6	Spot checking leader working on shared services. Continuing to stockpile vegetation.	
1145	1	3	Back to monitoring fence installation @ MPR. Coord w/ CBO on fencing.	
1300	1	3	Work completed for day. Depart site.	

- Activity (ACT)¹**
1. DT Fencing
 2. Access/egress
 3. Clear/grub
 4. Grading
 5. Excavation
 6. UXO Activities
 7. SWPPP
 8. Other (specify) *water*

- Location (LOC)²**
1. DT Fence
 2. Well Site
 3. Access Road
 4. Drainage Crossings
 5. Other *Leontopodium*
 6. Other *shared services*
 7. Other

- Compliance Levels (CL)³**
1. Acceptable
 2. Notification
 3. Non-compliance
 4. Non-compliance Resolution

Signature: *[Signature]* 9/15/11

Daily Biological Monitoring Log - Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero			Date:	9/16/11
Starting Location and Activity:	Main Rd. Shaded Services			Site Code:	Blythe
Weather:	Clear Sunny, Not as warm	Start	5:30 AM	Midday	11:00
				End	1:00 PM
Rainfall?	Temp:	69	94	99	
Y (N)	% Cloud Cover:	0	5	5	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
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For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKimmon (937) 219-5242
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

Std Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species Observed		
Species	Activity (of species)	Location
dragflies	flying	MPR
western whiptail lizard	foraging	"
in mammal	burrows	"
wood larks	flying	"
side blotted lizard	foraging	"
skink	burrows	shared services

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	8	5	MTG - safety, plan stretch/fix. Plan to complete backfill of DT fence @ S. end of MPR, clean out cattle guard @ S end of MPR, continue veg prep for chipping on Monday.	1
730	1	3	Monitoring backfill of DT fence @ south end of MPR. Performed by hand w/ shovel.	
930	1	3	Inspecting DT fence & cattle guards. Requested that cattle guards be cleaned out. Went working on cattle guard @ S end of MPR today. Backfilling of DT fence along S. end of MPR is complete.	
1030	1	3	Coord w/ Archibald (ECM) regarding work activities.	
1100	1	3	Continue monitoring cattle guard clean out.	
1300	1	3	Depart site. Work completed today.	

- Activity (ACT)¹**
1. DT Fencing
 2. Access/egress
 3. Clear/grub
 4. Grading
 5. Excavation
 6. UXO Activities
 7. SWPPP
 8. Other (specify) mtg

- Location (LOC)²**
1. DT Fence
 2. Well Site
 3. Access Road
 4. Drainage Crossings
 5. Other Kewitt office
 6. Other
 7. Other

- Compliance Levels (CL)³**
1. Acceptable
 2. Notification
 3. Non-compliance
 4. Non-compliance Resolution

Signature: _____

Jeff Powers 9/16/11

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor: <i>Ray Romero</i>	Date: <i>9/19/11</i>
Starting Location and Activity: <i>Main Rd</i>	Site Code: <i>Blythe</i>
Weather: <i>Clear Not Slight breeze</i>	Start <i>5:30</i> AM Midday <i>11:00</i> End <i>1:00</i> PM
Rainfall?	Temp: <i>71</i> <i>96</i> <i>103</i>
Y (N)	% Cloud Cover: <i>0</i> <i>5</i> <i>10</i>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival

For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882

For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242

In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none observed</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: *[Signature]*

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species Observed		
Species	Activity (of species)	Location
Purley vulture	feeding	Main Rd
Western white ibis	feeding	"
side blotched lizard	feeding	"
sn. mallow	berries	"
mourning doves	feeding	"

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	8	5	Site - safety, planter day, stretch/flex. plan to start chipping vegetation along Main Rd. 49 scale grinder/chipper onsite along with tracked excavator to load vegetation. Labors with chainsaw.	1
730	3	3	Chipping vegetation @ Culvert I. excavator loading veg. into grinder/chipper.	
940	3	3	Chipping vegetation @ private land under cattle crossing along Main Rd. Skip loader assisting w/ loading vegetation.	
1145	3	3	Chipping vegetation @ Culvert II. Loader & excavator working together to load vegetation.	
1300	3	3	Work completed for day. Chipping complete @ Culvert II. Depart site.	

- Activity (ACT)¹**
1. DT Fencing
 2. Access/egress
 3. Clear/grub
 4. Grading
 5. Excavation
 6. UXO Activities
 7. SWPPP
 8. Other (specify) *utility*

- Location (LOC)²**
1. DT Fence
 2. Well Site
 3. Access Road
 4. Drainage Crossings
 5. Other *Forest area*
 6. Other
 7. Other

- Compliance Levels (CL)³**
1. Acceptable
 2. Notification
 3. Non-compliance
 4. Non-compliance Resolution

Signature: *[Signature]* 9/19/11

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor: <i>Ray Romero</i>	Date: <i>9/20/11</i>
Starting Location and Activity: <i>Main Rd</i>	Site Code: <i>Blythe</i>
Weather: <i>clear, sunny, not too windy</i>	Start <i>5:30 AM</i> Midday <i>1:00</i> End <i>1:00 PM</i>
Rainfall?	Temp: <i>68</i> <i>98</i> <i>102</i>
Y (N)	% Cloud Cover: <i>0</i> <i>0</i> <i>0</i>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
 For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
 For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKimmon (937) 219-5242
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none seen</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: _____

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Turkey Vultures	Black Rock Rd Perched	Black Rock Rd
White winged doves	Black Rock Rd flying	"
Western whiptail lizard	foraging	Manfred.
sp mammal	burrows	Shared Services
Kitt fox	burrows	"
diagonal flies	flying	"
side blotted lizard	running	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT	LOC	Notes/Comments	CL
530	8	5	Mtg - safety plan for day, stretch/flex plan to continue veg chipping. Start @ Culvert # 1 & work N along Main Rd.	1
655	3	3	Chipping veg. @ Culvert #. Use of chipper & loader at this location.	
750	3	3	Chipping veg near Arena. Relatively small pile. Use of excavator to load veg into chipper. Main Rd chipping is complete.	
855	3	3	Chipping large pile of vegetation in shared services. This is the start of chipping in shared services. Veg pile is over 100yds from Kiffex burrows. Been monitoring Kiffex burrows closely over past 2 wks. Have not seen any new sign - tracks, excavation material, scat or foxes during this time.	
1100	3	3	Continue chipping veg in shared services.	
1300	3	3	Work completed today. Plan to finish chipping tomorrow.	

K30A Activity ACT1 p. 204

Location (LOC)

Compliance Levels (CL)³

- | | | | |
|------------------|--------------------|-----------------------|----------|
| 1. DT Fencing | 5. Excavation | 1. DT Fence | 5. Other |
| 2. Access/egress | 6. UXO Activities | 2. Well Site | 6. Other |
| 3. Clear/grub | 7. SWPPP | 3. Access Road | 7. Other |
| 4. Grading | 8. Other (specify) | 4. Drainage Crossings | |

1. *Acceptable*
2. *Notification*
3. *Non-compliance*
4. *Non-compliance Resolution*

Signature:

~~Signature~~ 9/20/11

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		Date:	9/21/11	
Starting Location and Activity:	Shared Ser Vicos		Site Code:	Blythe	
Weather:	Clear, sunny, not as windy	Start	5:30 AM	Midday	11:00
					End 1:30 PM
Rainfall?	Temp:	67		96	101
Y (N)	% Cloud Cover:	0		0	0

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival

For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882

For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242

In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no roadkill seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species Observed		
Species	Activity (of species)	Location
Turkey Vulture	perched	back of bird
White winged dove	climbing	"
Western whiptail lizard	running	main rd.
sm mammal	burrows	shared services
bat	burrows	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
630	8	5	Wtg safety plan for day, street/pls plan to complete chipping of veg today in shared services. This will complete all chipping onsite.	1
650	3	6	Veg chipping in shared services, use of excavator to load veg into chipper. Loader sifting chipped piles. Separating soil from chipped material to prep for hauling off site in dumpsters.	
800	3	6	First pile complete. Mobilize to second pile. Total of 3 piles need to be chipped.	
850	3	6	Second pile chipped. Mobilizing to 3rd pile in shared services.	
1050	3	6	Completed last pile to be chipped. All veg piles in shared services have been chipped. Coord w/ Amanda on work activities. Also trained him on taking over BID compliance reporting during maintenance period.	

Activity (ACT)¹

1. DT Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify) mtg

Location (LOC)²

1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other new office
6. Other shared services
7. Other

Compliance Levels (CL)³

1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: [Signature] 9/21/11

300 Skip loader was sifting out dirt from chipped veg and placing veg in dumpsters earlier. Work is completed for day. Report site.

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor: <i>Ray Romero</i>	Date: <i>9/22/11</i>
Starting Location and Activity: <i>Shared Services</i>	Site Code: <i>Blythe</i>
Weather: <i>partial clouds, warm, no wind</i>	Start <i>5:30 AM</i> Midday <i>11:00</i> End <i>1:30 PM</i>
Rainfall?	Temp: <i>68</i> <i>94</i> <i>101</i>
Y (N)	% Cloud Cover: <i>20</i> <i>20</i> <i>10</i>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
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 For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/borers) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none seen</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: _____

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
horned larks	lying	wooded
dragon flies	"	shaded services
small mammal	burrows	"
kit fox	"	"

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	3	5	mtg - safety, plan for day, stretch/flex. front end loader will shake out dirt from chipped vegetation & offload into dumpster to be hauled offsite. Laborers are prepping coke holes and fuel tank for removal. Two water trucks remain onsite for dust control.	1
920	3	6	Coord w/ Stewart on work activities. Monitoring loader placing chipped vegetation into dumpsters in shaded services.	
1030	3	6	Placement of chipped vegetation into dumpsters is complete. Dumpsters are being hauled offsite.	
1210	3	6	Coord w/ Amambep regarding work activities.	
1300	3	6	Work completed for day. Depart site.	

- Activity (ACT)¹**
1. DT Fencing
 2. Access/egress
 3. Clear/grub
 4. Grading
 5. Excavation
 6. UXO Activities
 7. SWPPP
 8. Other (specify) mtg

- Location (LOC)²**
1. DT Fence
 2. Well Site
 3. Access Road
 4. Drainage Crossings
 5. Other Newt Area
 6. Other Shaded Services
 7. Other

- Compliance Levels (CL)³**
1. Acceptable
 2. Notification
 3. Non-compliance
 4. Non-compliance Resolution

Signature: [Signature] 9/22/11

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		Date:	9/23/11	
Starting Location and Activity:	Sagebrush Scrub		Site Code:	Blythe	
Weather:	Sunny, hot, no wind	Start	5:30 AM	Midday	10:00
				End	11:30 PM
Rainfall?	Temp:	68		94	98
Y (N)	% Cloud Cover:	20		20	15

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival

For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882

For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242

In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	over 1 mile fence removed - vandalized
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species Observed		
Species	Activity (of species)	Location
zebra tailed lizard	foraging	Main Rd
western whiptail lizard	"	"
Mountain quail	feeding	"
Black R. Sn mammal	burrows	Shore services
KRAX	"	"

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0530	8	5	Mtg - safety, plan, stretch/flex. Plan to prep yard for equip & material being hauled away.	1
730	7	2	Coord w/ Krewit in well yard regarding work activities.	
830	7	3/6	John informed me of silt fence removal between S turn on Main Rd & Shore services. Investigated & informed Anandop. Took pictures of start & endpoints - check day 13-23, which is over 1 mile long. Krewit estimates fence @ 5450 ft based on counting posts & 10 ft spacing between each. Appears to be case of vandalism.	
1000	7	3/6	Driving around site inspecting fence for any further damage. Anandop's with me.	
1130			Krewit crew will remain in yard prepping equip/materials for removal. One group being	

- Activity (ACT)¹**
1. DT Fencing
 2. Access/egress
 3. Clear/grub
 4. Grading
 5. Excavation
 6. UXO Activities
 7. SWPPP
 8. Other (specify) MTG

- Location (LOC)²**
1. DT Fence
 2. Well Site
 3. Access Road
 4. Drainage Crossings
 5. Other Krewit office
 6. Other Shore services
 7. Other

- Compliance Levels (CL)³**
1. Acceptable
 2. Notification
 3. Non-compliance
 4. Non-compliance Resolution

Signature: _____

John Anandop 9/23/11
operated. Depart site,

Biological Monitor:	Ray Romano		Date:	9/23/11	
Starting Location and Activity:	Phase 1A		Site Code:	Blythe	
Weather:	sunny, hot, no wind	Start	8:00 AM	Midday	:
Rainfall?	Temp:			End	PM
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:				

Environmentally Sensitive Area (ESA) Monitoring Section

ESA Number(s)		
Condition	Compliance?	Comments
A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Any sensitive species observed inside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Is all stockpiling kept away from ESA, posing no threat for siltation/debris entering into ESA? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO occupied burrow, Penned DT)

Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Weekly reconnaissance focusing on potential subsidies (waste disposal areas, erected structures and staged equipment, water)

Raven Monitoring Data

Number of Ravens Observed	Time	Location	Activity (flying; ground; perching and type of perch).	Nest Sites (Location; occupied; unoccupied)	If Unoccupied, was it removed?
0	Morning	Phase 1A	N/A	0	N/A

Signature: _____

Ray Romano

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		Date:	9/26/11	
Starting Location and Activity:	Main Rd		Site Code:	Blythe	
Weather:	Clear, sunny, light breeze		Start	Midday	End
	5:30 AM		11:00	1:30 PM	
Rainfall?	Temp:	68	89	93	
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	% Cloud Cover:	0	0	0	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival

For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882

For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242

In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no roadkill
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	silt fence repairs along MPR
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Red blotched lizard	running	Wounded
on mammal	buttons	u
monitory doves	flying	u

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	7	5	Wtg - safety plan for day, stretch/flex plan to repair silt fence along MPR starting at check dam 23 and working N.	1
830	7	3	Excavator (mini) arrive & started excavation work @ check dam 23 along MPR. Operated by Ralph. Eddie leveling shore services.	
930	7	3	Coord w/ Morgan & Greg this morning on work activities.	
1230	7	3	Coord w/ Kiewit on work activities & schedule. May need to work OT depending on production.	
1330	7	3	Kiewit able to trench & install approx. 200' of silt fence today. Work completed for day. Depart site.	

- Activity (ACT)¹**
1. DT Fencing
 2. Access/egress
 3. Clear/grub
 4. Grading
 5. Excavation
 6. UXO Activities
 7. SWPPP
 8. Other (specify) *MPR*

- Location (LOC)²**
1. DT Fence
 2. Well Site
 3. Access Road
 4. Drainage Crossings
 5. Other *Kiewit area*
 6. Other
 7. Other

- Compliance Levels (CL)³**
1. Acceptable
 2. Notification
 3. Non-compliance
 4. Non-compliance Resolution

Signature: *[Signature]*

9/26/11

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	<i>[Signature]</i>	Date:	9/27/11	
Starting Location and Activity:	<i>trained solar services</i>	Site Code:	Blythe	
Weather:	<i>clear sunny not, slight wind</i>	Start	Midday	End
		5:30 AM	11:00	3:30 PM
Rainfall?	Temp:	68	94	99
Y (N)	% Cloud Cover:	0	0	0

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none seen</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>silt fence repairs due to vandalism</i>
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

[Signature]
Std Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species Observed		
Species	Activity (of species)	Location
rough winged swallows	flitting	well yard
chickadees	flitting	"
red breasted nuthatch	running	shrub services
cocks quail	running	black rock rd
song sparrow	exposed during chadean repair	Main Rd - relocated

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	8	5	Wk - safety, plan for day, stretch/fix. Plan to continue silt fence repairs & applying dust palliative in shared services. Under trucks applying tko to roads to control dust.	1
800	7	3	Coord. w/ Permit on work activities in field. Monitoring silt fence repairs & dust palliative application. Myself & BSM 3rd party monitor onsite.	
1300	7	3	Amador, Greg & Morgan escorting 2 people from CEC. Looking @ water issues onsite. I coordinated w/ staff.	
1530	7	3	Crew trenched 1600' today for silt fence replacement. Eddie (operator) assisted w/ silt fence install. Work completed for day. Depart site.	

- Activity (ACT)¹**
1. DT Fencing
 2. Access/egress
 3. Clear/grub
 4. Grading
 5. Excavation
 6. UXO Activities
 7. SWPPP
 8. Other (specify) none

- Location (LOC)²**
1. DT Fence
 2. Well Site
 3. Access Road
 4. Drainage Crossings
 5. Other Hermit office
 6. Other shared services
 7. Other

- Compliance Levels (CL)³**
1. Acceptable
 2. Notification
 3. Non-compliance
 4. Non-compliance Resolution

Signature: hays

9/27/11

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor: <i>Ray Romero</i>		Date: <i>9/28/11</i>	
Starting Location and Activity: <i>Washed</i>		Site Code: <i>Blythe</i>	
Weather: <i>Cloudy, sunny, hot, no wind</i>	Start	Midday	End
	<i>5:30 AM</i>	<i>11:00</i>	<i>3:30 PM</i>
Rainfall?	Temp:		
	<i>69</i>	<i>90</i>	<i>102</i>
Y (N)	% Cloud Cover:		
	<i>0</i>	<i>0</i>	<i>0</i>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
 For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
 For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none seen</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>silt fence repairs continue</i>
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Sidewinder lizard	foraging	Manhole
Spiny-tailed lizard	foraging	"
Spiny-tailed lizard	foraging	"
Desert kangaroo	hopping	"
Small mammal	hopping	"
Reptiles	flying	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
630	8	5	Wtg - Safety, Manhole, Stock/Clx. Plans to continue with silt fence repairs & soil removal application.	1
730	7	3	Noted damage to fence & cattle guard @ MPR entrance. Informed Manager & Supervisor.	
815	7	3	Inspecting trench prior to backfill around silt fence. Backfilling w/ loam. Mini excavator continuing to trench to expose torn silt fence for replacement.	
915	7	3	Coord w/ CBO & 3rd party monitor on work activities. Crew started applying soil removal along MPR this morning.	
1150	5	2	Backfilling ramp to clean water tank in well yard. Coord w/ Amundson regarding work activities & damage to fence/cattle guard.	
1530	7	3	Work completed for day. Crew installed over 1200' of silt fence. Reached corner of MPR & SS. Depart site.	

Activity (ACT)¹

1. DT Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation - Backfill
6. UXO Activities
7. SWPPP
8. Other (specify) Wtg

Location (LOC)²

1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other Krust Office
6. Other
7. Other

Compliance Levels (CL)³

1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: _____

9/28/11

Daily Biological Monitoring Log – Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero		Date:	9/29/11	
Starting Location and Activity:	Main Rd. Sacred Services		Site Code:	Blythe	
Weather:	clear sunny hot, no wind	Start	5:30 AM	Midday	11:00
				End	3:30 PM
Rainfall?	Temp:	69		92	102
Y (N)	% Cloud Cover:	0		0	0

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival
For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882
For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	trench inspected before backfill
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	silt fence repair continues
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species Observed		
Species	Activity (of species)	Location
Gambel's quail	foraging	Main Rd
Sage Grouse	"	"
San Joaquin antelope	burrows	"
kit fox	"	outside of shared services
dragon flies	flying	shared services

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	8	5	mtg safety, plan, stretch/ex. Plan to continue silt fence repair, dust palliative application & dust control.	1
730	7	3	Shovel trench prior to backfilling silt fence along Main Rd. Crew started installing silt fence along S. boundary of shared services. Coord w/ Kiewit on work activities.	
1150	7	3	Coord w/ Amundson in field regarding work activities. Continue monitoring excavation & back filling of silt fence repairs.	
1455	7	3	Coord w/ CBO on work activities.	
1530	7	3	All silt fence in place. Need to complete backfill tomorrow morning. Work complete for day. Depart site.	

Activity (ACT)¹

1. DT Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify) mtg

Location (LOC)²

1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other Kiewit office
6. Other
7. Other

Compliance Levels (CL)³

1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature:

[Signature] 9/29/11

Daily Biological Monitoring Log - Blythe Solar Power Project

Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	Ray Romero	Date:	9/30/11
Starting Location and Activity:	Shared Services	Site Code:	Blythe
Weather:	cloudy, warm change rain	Start	Midday
		5:30 AM	9:00
Rainfall?	Temp:	68	79
Y (N)	% Cloud Cover:	40	40

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival

For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882

For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242

In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bones) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status (ramps/covered/capped @ end of day)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none seen
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	silt fence & backfill complete
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Mountain Lion	Perched	Black Rock Rd.
Side Blotched Lizard	Foraging	Machine Rd.
Sm. Mammal	Wandering	Shaded Services
Dragonflies	Flying	"

Notes/Comments Section

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
530	8	5	mtg - safety plan stretch flex. Plan to complete backfill of silt fence in Shaded Services.	1
730	7	6	Back fill of silt fence complete. Running blade from mini excavator to smooth out surface parallel to fence. Laborers making repairs to fence that was damaged from delivery truck.	
900	7	6	Work on silt fence complete. Crew will perform maintenance work in well yard for remainder of day. Soil removal crew will be only staff working outside yard to finish up application. No need for me to remain on site to monitor activities. Depart site.	

Activity (ACT)¹

1. DT Fencing
2. Access/egress
3. Clear/grub
4. Grading
5. Excavation
6. UXO Activities
7. SWPPP
8. Other (specify) *mtg*

Location (LOC)²

1. DT Fence
2. Well Site
3. Access Road
4. Drainage Crossings
5. Other *Shaded Services*
6. Other *Shaded Services*
7. Other

Compliance Levels (CL)³

1. Acceptable
2. Notification
3. Non-compliance
4. Non-compliance Resolution

Signature: *[Signature]*

9/30/11



ENVIRONMENTAL CONSULTANTS

Sound Science. Creative Solutions.

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Pasadena, CA 91105
Tel 626.240.0587 Fax 626.240.0607
www.swca.com

Mark Luttrell
Program Manager
AECOM
2101 Webster Street, Suite 1900
Oakland, CA 94612

October 10, 2011

RE: PAL-5, Summary of paleontological monitoring and mitigation activities at the Blythe Solar Power Project (BSPP) for the period of September 2011.

Dear Mr. Luttrell,

This letter is to update you on SWCA Environmental Consultants paleontological monitoring and mitigation activities at the BSPP site during the period of September 1 to September 30, 2011. During this period, no activities resulted in trenching or excavations below 5 feet in depth and no work was performed in designated paleontologically sensitive areas requiring paleontological monitoring. In accordance with Conditions of Certification PAL-2 and PAL-5, the Paleontological Resources Specialist consulted with the construction field manager on scheduled work activities and determined that no work was planned to occur in high sensitivity fossil bearing areas of the site. No significant paleontological resources were discovered and no issues or concerns regarding paleontological resources were identified during this time.

It is a pleasure working with you on this project. If you have any questions please do not hesitate to contact me.

Respectfully,

A handwritten signature in black ink, appearing to read "Cara Corsetti". The signature is fluid and cursive, with a small dot at the end.

Cara Corsetti, M.S.
Principal
Paleontological Resources Specialist, BSPP


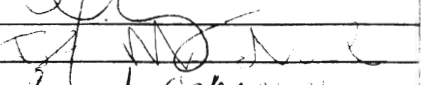
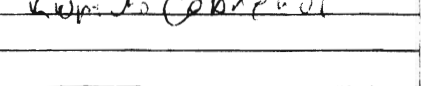
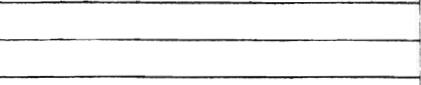
Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #11

Exhibit 7
Worker Environmental Awareness Training
Sign-In Sheets

Certification of Completion **Worker Environmental Awareness Program** **Blythe Solar Power Project (09-AFC-6)**


This is to acknowledge these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1.	BICK, Sergio	Dir. No.	
2.	Melinda Cuervo	D	
3.	Lyle Mendivil		
4.	RE. Ceballos		
5.			
6.			
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Cultural Trainer: _____ Signature: _____ Date: __/__/__

Paleo Trainer: _____ Signature: _____ Date: __/__/__

Biological Trainer: _____ Signature: _____ Date: __/__/__

ADMINISTRATOR: JOHN UPTON  9/26/11

Certification of Completion Worker Environmental Awareness Program Blythe Solar Power Project (09-AFC-6)

This is to acknowledge these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1.	Steve Viramontes	Viramontes Express	[Signature]
2.	Eddie Reynoso	VIRAMONTES EXP.	[Signature]
3.			
4.			
5.			
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30.			

Cultural Trainer: _____ Signature: _____ Date: __/__/__

Paleo Trainer: _____ Signature: _____ Date: __/__/__

Biological Trainer: _____ Signature: _____ Date: __/__/__

ADMINISTRATOR : ERIC RAMIREZ

[Signature]

9/19/11

Certification of Completion **Worker Environmental Awareness Program** **Blythe Solar Power Project (09-AFC-6)**

This is to acknowledge these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1.	<i>[Signature]</i>	<i>Ricart</i>	<i>[Signature]</i>
2.			
3.			
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30.			

Cultural Trainer: _____ Signature: _____ Date: ____/____/____

Paleo Trainer: _____ Signature: _____ Date: ____/____/____

Biological Trainer: _____ Signature: _____ Date: ____/____/____

Administrator: *Erick Espinosa* *[Signature]* *9/6/11*

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #11

Exhibit 8
SWPPP Inspection Checklists

TORTOISE FENCE & STORM WATER POLLUTION PREVENTION PLAN
SEDIMENT CONTROLS INSPECTION CHECKLIST

DATE: 9/6/11

TORTOISE FENCE

- ☒ Is the tortoise fence free of holes above or below ground? If holes are present patch or replace fence section.
- ☒ Are post firmly embedded and straight? If no re-embed and straighten or brace.
- ☒ Are there any signs of burrowing along the fence line? If yes fill in any holes that do not extend below the fence line, if holes do extend below the fence contact the biologist.
- ☒ Is there any debris on or along the fence? If yes remove.
- ☒ Has the fence been cut? If so splice or replace section.
- ☒ Is the fence sagging? If yes straighten or replace section.

SILT FENCE

- ☒ Is the fabric bottom buried? If no, dig out soil and bury bottom.
- ☒ Is the fabric torn or sagging? If yes, repair or replace.
- ☒ Are the posts firmly embedded and straight? If no, re-embed, straighten or brace.
- ☒ Is sediment behind the fence deep enough to impair functioning of the fence? If yes, remove excess sediment.
- ☒ Are there signs that water is bypassing around the ends of the fence? If yes, extend fence further up embankment.
- ☒ Has silt fence been in place for over 8 months? If yes replace.

CONSTRUCTION ENTRANCES

- ☒ N/A Is a 3 to 6in aggregate and rumble strips being maintained at construction entrances?
- ☒ Is soil being tracked from site to public roads? If yes, a stabilized entrance road section or other soil tracking prevention measure must be implemented.
- ☒ Is each entrance/exit properly graded to prevent runoff from leaving construction site?

✓

Are local roads adjacent to the site being inspected daily for sediment accumulation. If sediment does exist, sweep or vacuum to remove within 24 hours.

N/A

Are all employees that leave the site with mud caked tires and undercarriages using the wash facility at the site entrance/ exit?

N/A

Are accumulated amount of sediment present in the wash rack or sediment trap? If yes, remove all sediment from wash rack.

EROSION CONTROL MEASURES

✓

Are storage piles and disturbed areas that remain inactive for longer than 10 days covered or treated with an appropriate dust suppressant compound in accordance with Conditions of Certification AQ-SC3.1.

✓

Are existing sources of vegetation being preserved where no construction activities are intended to occur?

✓

Are there signs of erosion in existing stabilized areas? If yes, then repairs or additional controls are required.

✓

Are there signs that water is bypassing around the ends of rock ditch checks? If yes, extend ditch check further up embankment.

✓

Will grading or other soil disturbing activities cease for 14 days with no additional activity scheduled up to and after the 21st day? If yes, then stabilization measures such as seeding or mulching must be implemented by the 14th day. If additional soil disturbing activities are to be performed before the 21st day, then no stabilization measures are required; however, measures must be implemented to prevent sediment runoff from the site.

MATERIAL STORAGE

✓

Are construction materials being stored in an area located away from storm drains and inlets? If no, construct an enclosure or berm around these areas to prevent storm water contact.

✓

Are stockpiled construction materials that are not actively being used covered and bermed?

RUN-ON AND RUN-OFF CONTROLS

✓

Are water Run-ons from off-site being directed away from all disturbed areas?

WASTE MANAGEMENT MESURES

✓

Are all vehicle maintenance and mobile fueling operations being conducted at least 50 feet away from operational inlets and drainage facilities and on level ground?

✓

Are all wasted disposal containers being covered at the end of every business day or during a rain event?

**STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM**

INSPECTOR: Erick Espinosa DATE: 9/6/11

DAYS SINCE LAST RAINFALL: 9/5/11 AMOUNT OF LAST RAINFALL: .005 INCHES

STABILIZATION MEASURES

LOCATION	ISSUE	DATE OF NEXT FINDING	CORRECTIVE ACTION? (YES/NO)	CORRECTED BY	DATE CORRECTED
<u>None</u>					

GENERAL NOTES:

N/A

TO BE PERFORMED BY: N/A ON OR BEFORE: _____

INSPECTOR: Erick Espinosa DATE: 9/6/11 TIME: 9am

COMPLETED BY: Erick Espinosa DATE: 9/6/11 TIME: 11am

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: Erick Espinosa

Name: Erick Espinosa

Title: Environmental Manager

Date: 9/6/11

TORTOISE FENCE & STORM WATER POLLUTION PREVENTION PLAN

SEDIMENT CONTROLS INSPECTION CHECKLIST

DATE:

9/13/11

TORTOISE FENCE

☒

Is the tortoise fence free of holes above or below ground? If holes are present patch or replace fence section.

☒

Are post firmly embedded and straight? If no re-embed and straighten or brace.

☒

Are there any signs of burrowing along the fence line? If yes fill in any holes that do not extend below the fence line, if holes do extend below the fence contact the biologist.

☒

Is there any debris on or along the fence? If yes remove.

☒

Has the fence been cut? If so splice or replace section.

☒

Is the fence sagging? If yes straighten or replace section.

SILT FENCE

☒

Is the fabric bottom buried? If no, dig out soil and bury bottom.

☒

Is the fabric torn or sagging? If yes, repair or replace.

☒

Are the posts firmly embedded and straight? If no, re-embed, straighten or brace.

☒

Is sediment behind the fence deep enough to impair functioning of the fence? If yes, remove excess sediment.

☒

Are there signs that water is bypassing around the ends of the fence? If yes, extend fence further up embankment.

☒

Has silt fence been in place for over 8 months? If yes replace.

CONSTRUCTION ENTRANCES

NA

Is a 3 to 6in aggregate and rumble strips being maintained at construction entrances?

☒

Is soil being tracked from site to public roads? If yes, a stabilized entrance road section or other soil tracking prevention measure must be implemented.

☒

Is each entrance/exit properly graded to prevent runoff from leaving construction site?

✓

Are local roads adjacent to the site being inspected daily for sediment accumulation. If sediment does exist, sweep or vacuum to remove within 24 hours.

N/A

Are all employees that leave the site with mud caked tires and undercarriages using the wash facility at the site entrance/ exit?

N/A

Are accumulated amount of sediment present in the wash rack or sediment trap? If yes remove all sediment from wash rack.

EROSION CONTROL MEASURES

✓

Are storage piles and disturbed areas that remain inactive for longer than 10 days covered or treated with an appropriate dust suppressant compound in accordance with Conditions of Certification AQ-SC3.1.

✓

Are existing sources of vegetation being preserved where no construction activities are intended to occur?

✓

Are there signs of erosion in existing stabilized areas? If yes, then repairs or additional controls are required.

✓

Are there signs that water is bypassing around the ends of rock ditch checks? If yes, extend ditch check further up embankment.

✓

Will grading or other soil disturbing activities cease for 14 days with no additional activity scheduled up to and after the 21st day? If yes, then stabilization measures such as seeding or mulching must be implemented by the 14th day. If additional soil disturbing activities are to be performed before the 21st day, then no stabilization measures are required; however, measures must be implemented to prevent sediment runoff from the site.

MATERIAL STORAGE

✓

Are construction materials being stored in an area located away from storm drains and inlets? If no, construct an enclosure or berm around these areas to prevent storm water contact.

✓

Are stockpiled construction materials that are not actively being used covered and bermed?

RUN-ON AND RUN-OFF CONTROLS

✓

Are water Run-ons from off-site being directed away from all disturbed areas?

WASTE MANAGEMENT MESURES

✓

Are all vehicle maintenance and mobile fueling operations being conducted at least 50 feet away from operational inlets and drainage facilities and on level ground?

✓

Are all wasted disposal containers being covered at the end of every business day or during a rain event?

**STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM**

INSPECTOR: John Upton DATE: 9/13/11

DAYS SINCE LAST RAINFALL: 9/12/11 (PM) AMOUNT OF LAST RAINFALL .03 INCHES

STABILIZATION MEASURES

LOCATION	ISSUE	DATE OF NEXT FINDING	CORRECTIVE ACTION? (YES/NO)	CORRECTED BY	DATE CORRECTED
MPR S. End	Erosion		yes	Jerry	9/13/11

GENERAL NOTES:

TO BE PERFORMED BY: Jerry O. ON OR BEFORE: 9/13/11

INSPECTOR: John Upton DATE: 9/13/11 TIME: 9 AM

COMPLETED BY: John Upton DATE: 9/13/11 TIME: 2:30 PM

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: John Upton

Name: John Upton

Title: Supt

Date: 9/13/11

TORTOISE FENCE & STORM WATER POLLUTION PREVENTION PLAN

SEDIMENT CONTROLS INSPECTION CHECKLIST

DATE: 9/19/11

TORTOISE FENCE

- ☒ Is the tortoise fence free of holes above or below ground? If holes are present patch or replace fence section.
- ☒ Are post firmly embedded and straight? If no re-embed and straighten or brace.
- ☒ Are there any signs of burrowing along the fence line? If yes fill in any holes that do not extend below the fence line, if holes do extend below the fence contact the biologist.
- ☒ Is there any debris on or along the fence? If yes remove.
- ☒ Has the fence been cut? If so splice or replace section.
- ☒ Is the fence sagging? If yes straighten or replace section.

SILT FENCE

- ☒ Is the fabric bottom buried? If no, dig out soil and bury bottom.
- ☒ Is the fabric torn or sagging? If yes, repair or replace.
- ☒ Are the posts firmly embedded and straight? If no, re-embed, straighten or brace.
- ☒ Is sediment behind the fence deep enough to impair functioning of the fence? If yes, remove excess sediment.
- ☒ Are there signs that water is bypassing around the ends of the fence? If yes, extend fence further up embankment.
- ☒ Has silt fence been in place for over 8 months? If yes replace.

CONSTRUCTION ENTRANCES

- ☒ NK Is a 3 to 6in aggregate and rumble strips being maintained at construction entrances?
- ☒ Is soil being tracked from site to public roads? If yes, a stabilized entrance road section or other soil tracking prevention measure must be implemented.
- ☒ Is each entrance/exit properly graded to prevent runoff from leaving construction site?

✓

Are local roads adjacent to the site being inspected daily for sediment accumulation. If sediment does exist, sweep or vacuum to remove within 24 hours.

NA

Are all employees that leave the site with mud caked tires and undercarriages using the wash facility at the site entrance/ exit?

NA

Are accumulated amount of sediment present in the wash rack or sediment trap? If yes remove all sediment from wash rack.

EROSION CONTROL MEASURES

✓

Are storage piles and disturbed areas that remain inactive for longer than 10 days covered or treated with an appropriate dust suppressant compound in accordance with Conditions of Certification AQ-SC3.1.

✓

Are existing sources of vegetation being preserved where no construction activities are intended to occur?

✓

Are there signs of erosion in existing stabilized areas? If yes, then repairs or additional controls are required.

✓

Are there signs that water is bypassing around the ends of rock ditch checks? If yes, extend ditch check further up embankment.

✓

Will grading or other soil disturbing activities cease for 14 days with no additional activity scheduled up to and after the 21st day? If yes, then stabilization measures such as seeding or mulching must be implemented by the 14th day. If additional soil disturbing activities are to be performed before the 21st day, then no stabilization measures are required; however, measures must be implemented to prevent sediment runoff from the site.

MATERIAL STORAGE

✓

Are construction materials being stored in an area located away from storm drains and inlets? If no, construct an enclosure or berm around these areas to prevent storm water contact.

✓

Are stockpiled construction materials that are not actively being used covered and bermed?

RUN-ON AND RUN-OFF CONTROLS

✓

Are water Run-ons from off-site being directed away from all disturbed areas?

WASTE MANAGEMENT MESURES

✓

Are all vehicle maintenance and mobile fueling operations being conducted at least 50 feet away from operational inlets and drainage facilities and on level ground?

✓

Are all wasted disposal containers being covered at the end of every business day or during a rain event?

**STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM**

INSPECTOR: John Upton DATE: 9/19/11

DAYS SINCE LAST RAINFALL: 7 AMOUNT OF LAST RAINFALL .03 INCHES

STABILIZATION MEASURES

LOCATION	ISSUE	DATE OF NEXT FINDING	CORRECTIVE ACTION? (YES/NO)	CORRECTED BY	DATE CORRECTED
None					

GENERAL NOTES:

TO BE PERFORMED BY: N/A ON OR BEFORE: _____

INSPECTOR: John Upton DATE: 9/19/11 TIME: 10 AM

COMPLETED BY: John Upton DATE: 9/19/11 TIME: 3pm

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: John Upton

Name: John Upton

Title: Supt.

Date: 4/14/11

TORTOISE FENCE & STORM WATER POLLUTION PREVENTION PLAN

SEDIMENT CONTROLS INSPECTION CHECKLIST

DATE: 9/30/11

TORTOISE FENCE

- ☒ Is the tortoise fence free of holes above or below ground? If holes are present patch or replace fence section.
- ☒ Are post firmly embedded and straight? If no re-embed and straighten or brace.
- ☒ Are there any signs of burrowing along the fence line? If yes fill in any holes that do not extend below the fence line, if holes do extend below the fence contact the biologist.
- ☒ Is there any debris on or along the fence? If yes remove.
- ☒ Has the fence been cut? If so splice or replace section.
- ☒ Is the fence sagging? If yes straighten or replace section.

SILT FENCE

- ☒ Is the fabric bottom buried? If no, dig out soil and bury bottom.
- ☒ Is the fabric torn or sagging? If yes, repair or replace.
- ☒ Are the posts firmly embedded and straight? If no, re-embed, straighten or brace.
- ☒ Is sediment behind the fence deep enough to impair functioning of the fence? If yes, remove excess sediment.
- ☒ Are there signs that water is bypassing around the ends of the fence? If yes, extend fence further up embankment.
- ☒ Has silt fence been in place for over 8 months? If yes replace.

CONSTRUCTION ENTRANCES

- NA ☐ Is a 3 to 6in aggregate and rumble strips being maintained at construction entrances?
- ☒ Is soil being tracked from site to public roads? If yes, a stabilized entrance road section or other soil tracking prevention measure must be implemented.
- ☒ Is each entrance/exit properly graded to prevent runoff from leaving construction site?

✓

Are local roads adjacent to the site being inspected daily for sediment accumulation. If sediment does exist, sweep or vacuum to remove within 24 hours.

NA

Are all employees that leave the site with mud caked tires and undercarriages using the wash facility at the site entrance/ exit?

NA

Are accumulated amount of sediment present in the wash rack or sediment trap? If yes remove all sediment from wash rack.

EROSION CONTROL MEASURES

✓

Are storage piles and disturbed areas that remain inactive for longer than 10 days covered or treated with an appropriate dust suppressant compound in accordance with Conditions of Certification AQ-SC3.1.

✓

Are existing sources of vegetation being preserved where no construction activities are intended to occur?

✓

Are there signs of erosion in existing stabilized areas? If yes, then repairs or additional controls are required.

✓

Are there signs that water is bypassing around the ends of rock ditch checks? If yes, extend ditch check further up embankment.

✓

Will grading or other soil disturbing activities cease for 14 days with no additional activity scheduled up to and after the 21st day? If yes, then stabilization measures such as seeding or mulching must be implemented by the 14th day. If additional soil disturbing activities are to be performed before the 21st day, then no stabilization measures are required; however, measures must be implemented to prevent sediment runoff from the site.

MATERIAL STORAGE

✓

Are construction materials being stored in an area located away from storm drains and inlets? If no, construct an enclosure or berm around these areas to prevent storm water contact.

✓

Are stockpiled construction materials that are not actively being used covered and bermed?

RUN-ON AND RUN-OFF CONTROLS

✓

Are water Run-ons from off-site being directed away from all disturbed areas?

WASTE MANAGEMENT MESURES



Are all vehicle maintenance and mobile fueling operations being conducted at least 50 feet away from operational inlets and drainage facilities and on level ground?



Are all wasted disposal containers being covered at the end of every business day or during a rain event?

**STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM**

INSPECTOR: John Upton DATE: 9/30/11

DAYS SINCE LAST RAINFALL: 18 AMOUNT OF LAST RAINFALL .03 INCHES

STABILIZATION MEASURES

LOCATION	ISSUE	DATE OF NEXT FINDING	CORRECTIVE ACTION? (YES/NO)	CORRECTED BY	DATE CORRECTED
MPR S. END	Erosion	—	YES	ED/Serry	9/28/11
MPR E. side Shared Service S. side	Vandalism silt fence ripped off of DT. fence	—	YES	Ralph, ED, Jerry & Martin	9/30/11

GENERAL NOTES:

The owner wouldn't let us fix fence until BLM approves repair. We received approval on 9/26/11. It took all week to fix the S. 540 ft of silt fence that was torn out.

TO BE PERFORMED BY: Serry O. ON OR BEFORE: 9/30/11

INSPECTOR: John Upton DATE: 9/23/11 TIME: 8AM

COMPLETED BY: John Upton DATE: 9/30/11 TIME: 10 AM

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: 

Name: John Upton

Title: Supt

Date: 9/30/11

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #11

Exhibit 9
Daily Water Usage Log

Table 2-1. Daily Water Meter Usage Log



Meter #	Date	Meter Read	Daily Water Use (gal)	Water Use to Date (gal)	Water Use to Date (Acre-Feet)	Kiewit Rep.	Pumping Times and Duration	Pump Running Time (minutes)
Test Well #2	12/8/2010	3,100	0	0	0	Factory Testing		
Test Well #2	12/14/2010	15,300	12,200	12,200	0.04	John Upton		
Test Well #2	12/15/2010	20,200	4,900	17,100	0.05	Erick Espinosa		
Test Well #2	12/20/2010	34,700	14,500	31,600	0.10	Mike Money-maker		
Test Well #2	12/28/2010	61,900	27,200	58,800	0.18	Mike Money-maker		
Test Well #2	12/29/2010	78,600	16,700	75,500	0.23	Mike Money-maker		
Test Well #2	12/30/2010	88,900	10,300	85,800	0.26	Mike Money-maker		
Test Well #2	1/3/2011	118,400	29,500	115,300	0.35	Mike Money-maker		
Test Well #2	1/4/2011	137,600	19,200	134,500	0.41	Mike Money-maker		
Test Well #2	1/5/2011	163,000	25,400	159,900	0.49	Mike Money-maker		
Test Well #2	1/6/2011	172,000	9,000	168,900	0.52	Mike Money-maker		
Test Well #2	1/7/2011	180,100	8,100	177,000	0.54	Mike Money-maker		
Test Well #2	1/10/2011	187,000	6,900	183,900	0.56	Mike Money-maker		
Test Well #2	1/11/2011	210,000	23,000	206,900	0.63	Mike Money-maker	7:45am-8:25am, 8:45am-8:55am, 11:10am-11:20am	40, 10, 10
Test Well #2	1/12/2011	275,700	65,700	272,600	0.84	Mike Money-maker	7:45am-8:20am, 11:20am-11:52am, 12:05-12:15pm, 1pm-1:09pm, 1:36-1:55, 2:03-2:11, 2:28-2:46	
Test Well #2	1/13/2011	297,800	22,100	294,700	0.90	Mike Money-maker	8:00am-8:10am, 1:50pm-2:08pm, 2:26pm-2:36pm	
Test Well #2	1/14/2011	306,800	9,000	303,700	0.93	Mike Money-maker	12:47pm-1:05pm	
Test Well #2	1/18/2011	339,700	32,900	336,600	1.03	Mike Money-maker	8:25am-8:46am, 11:11am-11:30am, 1:24pm-1:42pm, 2:24pm-2:32pm	
Test Well #2	1/19/2011	375,800	36,100	372,700	1.14	Mike Money-maker	8:16am-8:31am, 11:45am-12:08pm	
Test Well #2	1/20/2011	380,100	4,300	377,000	1.16	Mike Money-maker	7:55am-8:10am, 9:05am-9:22am, 2:03pm-2:12pm	
Test Well #2	1/21/2011	388,200	8,100	385,100	1.18	Mike Money-maker	8:05-8:21am	
Test Well #2	1/24/2011	406,500	18,300	403,400	1.24	Mike Money-maker	7:54-8:03am, 2:13-2:31pm	
Test Well #2	1/25/2011	415,900	9,400	412,800	1.27	Mike Money-maker	2:25-2:45pm	
Test Well #2	1/26/2011	442,300	26,400	439,200	1.35	Mike Money-maker	11:16-11:34, 1:05-1:18, 2:32-2:51pm	
Test Well #2	1/27/2011	470,200	27,900	467,100	1.43	Mike Money-maker	8:24-8:51, 12:58-1:17, 2:02-2:19	
Test Well #2	1/28/2011	497,700	27,500	494,600	1.52	Mike Money-maker	8:07-8:24, 11:43-12:05, 2:03-2:25pm	
Test Well #2	1/31/2011	521,400	23,700	518,300	1.59	Mike Money-maker	7:00am-7:08am, 7:11am-7:19am, 11:02-11:18am, 2:20pm-2:35pm	
Test Well #2	2/1/2011	544,300	22,900	541,200	1.66	Mike Money-maker	7:04am-7:08am, 7:28am-7:33am, 8:21am-8:28am, 11:07am-11:14am, 11:31am-11:37am, 2:08pm-2:25pm	
Test Well #2	2/2/2011	565,700	21,400	562,600	1.73	Mike Money-maker	7:15-7:20, 7:46-7:53, 11:26-11:33, 12:50-1:00	
Test Well #2	2/3/2011	589,300	23,600	586,200	1.80	Mike Money-maker	10:31-10:49, 1:31-1:40, 2:18-2:26	
Test Well #2	2/4/2011	605,200	15,900	602,100	1.85	Mike Money-maker	7:37am-7:48am, 11:31am-11:46am, 1:42pm-1:54pm	
Test Well #2	2/7/2011	624,800	19,600	621,700	1.91	Mike Money-maker	7:45am-8:00am, 1:14pm-1:28pm, 2:05pm-2:13pm	
Test Well #2	2/8/2011	649,700	24,900	646,600	1.98	Mike Money-maker	7:26am-7:40am, 10:51am-11:04am, 1:15pm-1:29pm, 2:24pm-2:30pm	
Test Well #2	2/9/2011	668,900	19,200	665,800	2.04	Mike Money-maker	7:44am-7:56am, 12:50pm-1:04pm, 2:19pm-2:30pm	
Test Well #2	2/10/2011	689,800	20,900	686,700	2.11	Mike Money-maker	7:31am-7:44am, 11:55am-12:10pm, 1:58pm-2:10pm, 2:20pm-2:27pm	
Test Well #2	2/11/2011	707,200	17,400	704,100	2.16	Mike Money-maker	8:00am-8:14am-12:55pm-1:10pm, 2:06pm-2:13pm	
Test Well #2	2/14/2011	725,500	18,300	722,400	2.22	Mike Money-maker	7:14-7:31, 11:24-11:39, 2:21-2:30pm	
Test Well #2	2/15/2011	746,200	20,700	743,100	2.28	Mike Money-maker	7:49-8:08, 12:08-12:21, 2:18-2:30pm	
Test Well #2	2/16/2011	766,500	20,300	763,400	2.34	Mike Money-maker	7:45-8:03, 11:53-12:07, 2:16-2:24	
Test Well #2	2/17/2011	783,800	17,300	780,700	2.40	Mike Money-maker	7:51-8:11, 11:38-11:54	
Test Well #2	2/18/2011	795,000	11,200	791,900	2.43	Mike Money-maker	7:15-7:30, 12:34-12:41pm	
Test Well #2	2/22/2011	813,000	18,000	809,900	2.49	Mike Money-maker	7:14-7:25, 10:03-10:16, 1:56-2:15	
Test Well #2	2/23/2011	828,500	15,500	825,400	2.53	Mike Money-maker	7:54-8:13, 2:04-2:16	
Test Well #2	2/24/2011	842,600	14,100	839,500	2.58	Mike Money-maker	7:22-7:34, 11:31-11:46	
Test Well #2	2/25/2011	855,400	12,800	852,300	2.62	Mike Money-maker	7:17-7:30, 1:47-1:58pm	
Test Well #2	2/28/2011	869,700	14,300	866,600	2.66	Mike Money-maker	7:18-7:33, 1:57-2:10pm	
Test Well #2	3/1/2011	889,400	19,700	886,300	2.72	Mike Money-maker	7:28-7:43, 11:30-11:46, 2:11-2:22pm	
Test Well #2	3/2/2011	904,000	14,600	900,900	2.76	Mike Money-maker	7:18-7:31, 1:24-1:40	
Test Well #2	3/3/2011	914,500	10,500	911,400	2.80	Mike Money-maker	7:21-7:36, 2:11-2:20	
Test Well #2	3/4/2011	944,000	29,500	940,900	2.89	Mike Money-maker	7:21-7:37, 8:51-9:06, 10:52-11:07, 12:41-12:56	
Test Well #2	3/7/2011	958,500	14,500	955,400	2.93	Mike Money-maker	7:30-7:45, 1:36-1:50	
Test Well #2	3/8/2011	975,500	17,000	972,400	2.98	Mike Money-maker	7:28-7:44, 11:55-12:10, 2:13-2:20	
Test Well #2	3/9/2011	995,100	19,600	992,000	3.04	Mike Money-maker	7:34-7:50, 12:51-1:06, 2:05-2:15	
Test Well #2	3/10/2011	1,017,700	22,600	1,014,600	3.11	Mike Money-maker	9:15-9:31, 11:56-12:13, 1:47-2:04	
Test Well #2	3/11/2011	1,045,800	28,100	1,042,700	3.20	Mike Money-maker	7:44-7:55, 8:31-8:44, 11:27-11:34, 1:01-1:15, 1:38-1:44	
Test Well #2	3/14/2011	1,071,800	26,000	1,068,700	3.28	Mike Money-maker	7:19-7:30, 9:57-10:06, 11:03-11:17, 1:24-1:35, 2:02-2:09	
Test Well #2	3/15/2011	1,104,400	32,600	1,101,300	3.38	Mike Money-maker	8:04-8:25, 10:12-10:25, 11:38-11:52, 1:30-1:45, 2:18-2:22pm	
Test Well #2	3/16/2011	1,141,500	37,100	1,138,400	3.49	Mike Money-maker	7:15-7:22, 7:48-8:04, 9:24-9:40, 11:08-11:28, 1:19-1:30, 1:59-2:12	
Test Well #2	3/17/2011	1,179,700	38,200	1,176,600	3.61	Mike Money-maker	7:52-8:12, 9:25-9:40, 10:56-11:15, 1:02-1:12, 1:44-1:56, 2:24-2:27	
Test Well #2	3/18/2011	1,211,600	31,900	1,208,500	3.71	Mike Money-maker	8:15-8:30, 9:32-9:47, 11:37-11:50, 1:34-1:48, 2:18-2:22pm	
Test Well #2	3/21/2011	1,245,800	34,200	1,242,700	3.81	Mike Money-maker	7:30-7:44, 8:58-9:13, 10:27-10:41, 1:35-1:50, 2:12-2:23pm	
Test Well #2	3/22/2011	1,278,200	32,400	1,275,100	3.91	Mike Money-maker	7:29-7:41, 9:53-10:09, 11:29-11:42, 1:30-1:40, 2:08-2:21pm	
Test Well #2	3/23/2011	1,311,100	32,900	1,308,000	4.01	Mike Money-maker	7:31-7:45, 9:32-9:46, 11:15-11:29, 1:09-1:20, 1:54-2:06pm	
Test Well #2	3/24/2011	1,343,600	32,500	1,340,500	4.11	Mike Money-maker	7:42-7:57, 9:22-9:36, 11:16-11:31, 1:26-1:40, 2:16-2:22pm	

Table 2-1. Daily Water Meter Usage Log



Meter #	Date	Meter Read	Daily Water Use (gal)	Water Use to Date (gal)	Water Use to Date (Acres-Feet)	Kiewit Rep.	Pumping Times and Duration	Pump Running Time (minutes)
Test Well #2	3/25/2011	1,382,300	38,700	1,379,200	4.23	Mike Money-maker	7:34-7:46, 9:39-9:54, 10:40-10:55, 11:47-12:02, 1:20-1:36, 2:02-2:10	
Test Well #2	3/28/2011	1,425,100	42,800	1,422,000	4.36	Mike Money-maker	7:19-7:35, 8:39-8:54, 9:57-10:12, 11:22-11:37, 1:10-1:25pm	
Test Well #2	3/29/2011	1,458,700	33,600	1,455,600	4.47	Mike Money-maker	7:27-7:41, 10:36-10:55, 11:38-11:50, 1:05-1:15, 1:53-2:07	
Test Well #2	3/30/2011	1,498,400	39,700	1,495,300	4.59	Mike Money-maker	7:28-7:35, 8:54-9:15, 10:00-10:10, 11:43-12:03, 1:00-1:15, 2:04-2:16	
Test Well #2	3/31/2011	1,534,100	35,700	1,531,000	4.70	Mike Money-maker	7:26-7:33, 7:51-8:04, 9:44-9:50, 10:37-10:47, 11:22-11:32, 1:22-1:34, 2:01-2:16	
Test Well #2	4/1/2011	1,564,500	30,400	1,561,400	4.79	Mike Money-maker	7:19-7:25, 8:34-8:47, 9:16-9:24, 10:02-10:11, 11:17-11:33, 12:	
Test Well #2	4/4/2011	1,604,800	40,300	1,601,700	4.92	Mike Money-maker	7:27-7:43, 8:19-8:28, 9:57-10:07, 10:32-10:44, 11:34-11:45, 1:28-1:38, 1:55-2:10pm	
Test Well #2	4/5/2011	1,638,700	33,900	1,635,600	5.02	Mike Money-maker	7:23-7:30, 7:47-7:57, 8:33-8:44, 11:06-11:21, 12:20-12:32, 1:44-1:58pm	
Test Well #2	4/6/2011	1,673,900	35,200	1,670,800	5.13	Mike Money-maker	7:30-7:39, 8:42-8:52, 9:09-9:20, 10:15-10:23, 11:06-11:16, 1:04-1:15, 1:28-1:37, 2:18-2:21pm	
Test Well #2	4/7/2011	1,711,400	37,500	1,708,300	5.24	Mike Money-maker	7:22-7:33, 8:50-8:59, 9:26-9:38, 11:01-11:11, 11:47-11:57, 12:57-1:06, 1:28-1:35, 2:08-2:20pm	
Test Well #2	4/8/2011	1,748,200	36,800	1,745,100	5.36	Mike Money-maker	7:31-7:37, 8:26-8:37, 8:52-9:02, 9:34-9:44, 11:13-11:23, 12:50-12:58, 1:29-1:39, 1:57-2:09pm	
Test Well #2	4/11/2011	1,781,200	33,000	1,778,100	5.46	Mike Money-maker	7:33-7:47, 9:33-9:46, 10:53-11:02, 11:35-11:45, 12:58-1:09, 1:24-1:31, 2:13-2:18pm	
Test Well #2	4/12/2011	1,813,800	32,600	1,810,700	5.56	Mike Money-maker	7:24-7:34, 8:44-8:55, 10:21-10:31, 10:45-10:55, 11:27-11:40, 1:39-1:54pm	
Test Well #2	4/13/2011	1,850,200	36,400	1,847,100	5.67	Mike Money-maker	7:23-7:38, 9:21-9:37, 11:19-11:32, 12:15-12:26, 1:24-1:34, 2:12-2:21pm	
Test Well #2	4/14/2011	1,889,300	39,100	1,886,200	5.79	Mike Money-maker	7:25-7:36, 7:55-8:06, 10:15-10:26, 10:42-10:55, 11:52-12:07, 1:15-1:25, 2:04-2:13pm	
Test Well #2	4/15/2011	1,922,700	33,400	1,919,600	5.89	Mike Money-maker	7:29-7:39, 8:28-8:40, 10:40-10:57, 11:21-11:31, 12:05-12:16, 1:31-1:41, 2:09-2:19pm	
Test Well #2	4/18/2011	1,958,500	35,800	1,955,400	6.00	Mike Money-maker	7:34-7:48, 8:55-9:09, 10:45-11:00, 1:00-1:10, 2:00-2:16pm	
Test Well #2	4/19/2011	1,989,500	31,000	1,986,400	6.10	Mike Money-maker	7:21-7:33, 10:06-10:18, 11:54-12:09, 1:42-1:58, 2:16-2:21pm	
Test Well #2	4/20/2011	2,003,700	14,200	2,000,600	6.14	Mike Money-maker	7:24-7:38, 11:52-12:07pm	
Test Well #2	4/21/2011	2,031,100	27,400	2,028,000	6.22	Mike Money-maker	7:32-7:47, 10:32-10:43, 11:38-11:48, 12:47-12:59, 1:46-2:02pm	
Test Well #2	4/22/2011	2,065,700	34,600	2,062,600	6.33	Mike Money-maker	7:48-8:05, 8:36-8:47, 9:29-9:39, 11:11-11:21, 12:03-12:13, 12:47-12:57pm	
Test Well #2	4/25/2011	2,095,800	30,100	2,092,700	6.42	Mike Money-maker	6:31-6:43, 8:01-8:11, 10:04-10:14, 11:02-11:13, 12:51-1:09pm	
Test Well #2	4/26/2011	2,125,800	30,000	2,122,700	6.51	Mike Money-maker	6:32-6:44, 8:10-8:21, 9:41-9:55, 11:41-11:56, 1:16-1:24pm	
Test Well #2	4/27/2011	2,155,900	30,100	2,152,800	6.61	Mike Money-maker	6:34-6:49, 8:58-9:13, 10:34-10:48, 12:50-1:05pm	
Test Well #2	4/28/2011	2,204,600	48,700	2,201,500	6.76	Mike Money-maker	6:33-6:48, 8:22-8:35, 9:33-9:46, 10:15-10:32, 11:30-11:36, 11:45-11:55, 12:18-12:27, 2:47-2:57pm	
Test Well #2	4/29/2011	2,247,900	43,300	2,244,800	6.89	Mike Money-maker	12:55-1:00, 1:56-2:00	
Test Well #2	5/2/2011	2,272,000	24,100	2,268,900	6.96	Mike Money-maker	5:55-6:12, 8:44-8:54, 10:18-10:33, 1:19-1:25pm	
Test Well #2	5/3/2011	2,302,800	30,800	2,299,700	7.06	Mike Money-maker	6:14-6:27, 7:41-7:56, 9:43-9:56, 11:41-11:55, 1:03-1:13	
Test Well #2	5/4/2011	2,329,700	26,900	2,326,600	7.14	Mike Money-maker	6:09-6:23, 9:04-9:21, 10:05-10:19, 12:06-12:20pm	
Test Well #2	5/5/2011	2,367,300	37,600	2,364,200	7.26	Mike Money-maker	6:07-6:20, 7:05-7:18, 8:31-8:45, 10:05-10:18, 11:24-11:37, 12:45-12:58pm	
Test Well #2	5/6/2011	2,394,900	27,600	2,391,800	7.34	Mike Money-maker	6:15-6:30, 7:12-7:24, 9:31-9:47, 12:24-12:36	
Test Well #2	5/9/2011	2,430,200	35,300	2,427,100	7.45	Mike Money-maker	6:06-6:19, 7:01-7:14, 9:09-9:22, 10:41-10:54, 12:13-12:27, 1:19-1:26	
Test Well #2	5/10/2011	2,457,300	27,100	2,454,200	7.53	Mike Money-maker	6:09-6:25, 7:19-7:33, 9:20-9:34, 12:47-1:01pm	
Test Well #2	5/11/2011	2,491,500	34,200	2,488,400	7.64	Mike Money-maker	6:44-6:56, 8:45-9:09, 10:28-10:34, 12:06-12:18, 1:13-1:30pm	
Test Well #2	5/12/2011	2,524,600	33,100	2,521,500	7.74	Mike Money-maker	6:14-6:26, 7:12-7:25, 8:57-9:11, 10:34-10:46, 12:15-12:29, 1:19-1:25pm	
Test Well #2	5/13/2011	2,536,500	11,900	2,533,400	7.77	Mike Money-maker	6:10-6:23, 7:08-7:21am	
Test Well #2	5/16/2011	2,577,000	40,500	2,573,900	7.90	Mike Money-maker	6:02-6:17, 7:03-7:16, 8:03-8:16, 8:59-9:13, 9:55-10:08, 10:49-11:03	
Test Well #2	5/17/2011	2,601,800	24,800	2,598,700	7.98	Mike Money-maker	10:47-11:00, 11:36-11:51, 12:12-12:26, 1:01-1:11pm	
Test Well #2	5/18/2011	2,635,300	33,500	2,632,200	8.08	Mike Money-maker	9:34-9:48, 10:32-10:46, 11:44-11:58, 1:26-1:40, 2:44-2:57pm	
Test Well #2	5/19/2011	2,675,800	40,500	2,672,700	8.20	Mike Money-maker	6:04-6:18, 7:08-7:22, 8:40-8:54, 9:51-10:05, 11:06-11:21, 12:23-12:37pm	
Test Well #2	5/20/2011	2,729,600	53,800	2,726,500	8.37	Mike Money-maker	6:16-6:30, 7:21-7:35, 8:18-9:02, 10:25-10:47, 12:04-12:18pm	
Test Well #2	5/23/2011	2,769,600	40,000	2,766,500	8.49	Mike Money-maker	6:47-7:01, 7:38-7:44, 7:58-8:04, 8:24-8:31, 8:38-8:52, 9:02-9:10, 9:51-9:57, 10:27-10:34am	
Test Well #2	5/24/2011	2,814,700	45,100	2,811,600	8.63	Mike Money-maker	5:30-5:37, 6:05-6:12, 6:35-6:49, 6:55-7:02, 7:53-8:00, 8:04-8:18, 9:03-9:10, 9:35-9:49, 11:12-11:25, 12:44-12:57pm	
Test Well #2	5/25/2011	2,865,400	50,700	2,862,300	8.78	Mike Money-maker	5:53-6:00, 6:12-6:19, 6:45-7:06, 7:22-7:29, 8:06-8:20, 8:28-8:35, 9:08-9:13, 9:38-9:50, 11:26-11:40, 12:38-12:54	
Test Well #2	5/26/2011	2,918,400	53,000	2,915,300	8.95	Mike Money-maker	5:30-5:37, 5:57-6:06, 6:28-6:35, 6:53-7:07, 7:12-7:19, 7:53-8:00, 8:18-8:31, 8:51-8:58, 9:15-9:22, 9:40-9:54, 10:54-11:07, 12:32-12:45pm	
Test Well #2	5/27/2011	2,982,800	64,400	2,979,700	9.14	Mike Money-maker	6:52-7:06, 8:05-8:19, 9:34-9:47, 11:02-11:16, 5:30-5:37, 6:05-6:12, 6:30-6:37, 7:13-7:20, 7:45-7:52, 8:27-8:34, 9:04-9:11, 9:28-9:35, 9:55-10:02, 10:31-10:39, 10:57-11:04	
Test Well #2	5/31/2011	3,054,100	71,300	3,051,000	9.36	Mike Money-maker	7:33-7:47, 8:51-9:04, 10:15-10:28, 11:31-11:45, 12:52-1:06, 5:30-5:37, 6:00-6:07, 6:24-6:31, 6:52-6:59, 7:27-7:34, 8:00-8:07, 9:13-9:20, 9:36-9:43, 10:04-10:11, 10:35-10:42, 11:12-11:19	
Test Well #2	6/1/2011	3,104,800	50,700	3,101,700	9.52	Mike Money-maker	6:50-7:04, 8:10-8:23, 9:42-9:58, 5:30-5:37, 5:55-6:02, 6:15-6:22, 6:45-6:52, 7:12-7:19, 7:47-7:54, 8:10-8:17, 9:59-10:06, 10:30-10:37, 11:07-11:14, 11:22-11:29	
Test Well #2	6/2/2011	3,177,200	72,400	3,174,100	9.74	Mike Money-maker	7:05-7:19, 8:19-8:33, 9:32-9:46, 10:48-11:02, 12:15-12:29pm, 5:39-5:46, 6:02-6:09, 6:33-6:47, 7:26-7:33, 7:53-8:00, 8:41-8:48, 9:10-9:17, 9:30-9:37, 10:35-10:42, 11:09-11:16	
Test Well #2	6/3/2011	3,225,200	48,000	3,222,100	9.89	Mike Money-maker	7:07-7:21, 8:16-8:29, 9:35-9:48, 11:13-11:27pm, 5:36-5:43, 6:01-6:08, 6:22-6:29, 6:46-6:53, 8:00-8:07, 9:14-9:21, 10:21-10:28, 10:50-10:57	



Blythe Solar Power Plant
Early Works

Table 2-1. Daily Water Meter Usage Log



Meter #	Date	Meter Read	Daily Water Use (gal)	Water Use to Date (gal)	Water Use to Date (Acre-Feet)	Kiewit Rep.	Pumping Times and Duration	Pump Running Time (minutes)
Test Well #2	7/20/2011	4,887,600	25,200	4,884,500	14.99	Mike Moneyemaker	8:56-9:04,9:30-9:38, 10:03-10:10,11:10-11:18,11:41-11:49,12:15-12:23 5:00-5:07,5:11-5:18,5:27-5:34	8,8,8,8,8,8, 7,7,7 Total=61
Test Well #2	7/21/2011	4,919,900	32,300	4,916,800	15.09	Mike Moneyemaker	M-None 5:00-5:07, 5:27-5:35, 6:12-6:19,7:00-7:07,7:23-7:30,8:15-8:22,9:19-9:26,9:37-10:04,10:59-11:06,11:46-11:53	7,7,7,7,7,7,7,7,7 Total=70
Test Well #2	7/22/2011	4,961,400	41,500	4,958,300	15.22	Mike Moneyemaker	M-None 5:00-5:07,5:20-5:27,5:42-5:49,6:20-6:27,6:56-7:03,7:45-7:52,8:18-8:25,9:04-9:11,9:44-9:51,11:01-11:08,11:47-11:54,12:15-12:22,12:40-12:47	7,7,7,7,7,7,7,7,7,7,7 Total=91
Test Well #2	7/25/2011	4,985,600	24,200	4,982,500	15.29	Mike Moneyemaker	5:00-5:07,5:40-5:47,7:28-7:36,8:38-8:45,9:53-10:00,11:47-11:54,12:59-1:06	M-None 7,7,8,7,7,7,7 Total=50
Test Well #2	7/26/2011	5,027,200	41,600	5,024,100	15.42	Mike Moneyemaker	5:00-5:07,5:27-5:34,6:00-6:07,6:40-6:47,8:08-8:15,8:50-8:57,9:15-9:22,10:56-11:03,11:29-11:36,11:58-12:05,12:33-12:40	7,7,7,7,7,7,7,7,7 Total=77
Test Well #2	7/27/2011	5,071,200	44,000	5,068,100	15.55	Mike Moneyemaker	5:40-5:47,6:07-6:14,6:53-7:00,7:35-7:42,8:14-8:21,9:04-9:11,9:34-9:41,9:55-10:02,10:56-11:04,11:32-11:39,12:03-12:10,12:53-12:40	7,7,7,7,7,7,7,8,7,7,7 Total=85
Test Well #2	7/28/2011	5,112,300	41,100	5,109,200	15.68	Mike Moneyemaker	5:00-5:07,5:28-5:35,5:51-5:58,6:15-6:22,6:40-6:47,7:15-7:22,8:44-8:51,9:19-9:26,9:56-10:02,11:05-11:12,11:32-11:39,12:02-12:09	7,7,7,7,7,7,7,8,7,7,7 Total=85
Test Well #2	7/29/2011	5,150,500	38,200	5,147,400	15.80	Mike Moneyemaker	5:00-5:07,5:20-5:27,5:53-6:00,6:10-6:17,6:53-7:00,7:29-7:37,8:08-8:15,8:32-8:39,9:11-9:18,9:59-10:06,11:02-11:09,11:36-11:43	7,7,7,7,7,7,7,7,7,7,7 Total=85
Test Well #2	8/1/2011	5,188,000	37,500	5,184,900	15.91	Mike Moneyemaker	5:00-5:07,5:20-5:27,5:50-5:57,7:01-7:08,8:30-8:37,8:50-8:57,9:15-9:23,9:39-9:46,10:11-10:18,10:40-10:47,11:05-11:12,11:29-11:40,12:10-12:17,1:30-1:37	7,7,7,7,7,7,8,7,7,7,1 1,7,7 Total=103
Test Well #2	8/2/2011	5,229,400	41,400	5,226,300	16.04	Mark Mays (O/O)	5:00-5:07,5:30-5:37,6:15-6:37,7:13-7:20,7:54-8:01,8:45-8:52,9:24-9:31,10:28-10:35,11:18-11:25,11:48-11:56,12:05-12:12,12:30-12:37	7,7,22,7,7,7,7,7,8,7,7 7 Total=100
Test Well #2	8/3/2011	5,274,400	45,000	5,271,300	16.18	Mark Mays (O/O)	8:30-8:37,9:54-10:01,10:35-10:42,11:15-11:22,12:10-12:17,12:29-12:36,1:00-1:07,1:35-1:42,2:45-2:52,3:48-3:55,4:12-4:19,4:52-5:00	7,7,7,7,7,7,7,7,7,7,7 Total=84
Test Well #2	8/4/2011	5,319,400	45,000	5,316,300	16.32	Mark Mays (O/O)	5:18-5:25,5:43-5:50,6:13-6:20,7:01-7:08,7:35-7:42,8:15-8:22,8:54-9:01,9:33-9:40,10:41-10:48,11:09-11:16,11:39-11:46,12:35-12:42	7,7,7,7,7,7,7,7,7,7,7 Total=84
Test Well #2	8/5/2011	5,366,600	47,200	5,363,500	16.46	Mark Mays (O/O)	5:10-5:17,5:29-6:00-6:07,6:20-6:27,6:53-7:00,7:29-7:36,8:44-8:51,9:12-9:19,9:33-9:40,10:00-10:07,10:53-11:00,11:34-11:41,12:03-12:10,12:19-12:26,12:46-12:53	7,7,7,7,7,7,7,7,7,7,7 7,7,7 Total=105
Test Well #2	8/8/2011	5,404,200	37,600	5,401,100	16.58	Mark Mays (O/O)	5:00-5:07,5:41-5:48,6:15-6:20,6:50-6:57,7:48-7:55,8:18-8:25,8:57-9:14,9:40-9:47,10:58-11:05,11:34-11:41,12:14-12:21,12:49-12:56,1:15-1:22	7,7,5,7,7,7,7,7,7,7,7 7 Total=89
Test Well #2	8/9/2011	5,444,300	40,100	5,441,200	16.70	Mark Mays (O/O)	5:00-5:07,5:44-5:52,6:40-6:47,7:40-7:47,8:51-8:58,9:24-9:31,10:04-10:11, 11:08-11:13,11:30-11:37,12:06-12:14,12:20-12:27,12:58-1:05, 1:20-1:27	7,7,7,7,7,7,7,7,7,7,7 7 Total=91
Test Well #2	8/10/2011	5,482,100	37,800	5,479,000	16.81	Mark Mays (O/O)	5:30-5:37,6:04-6:22,6:40-6:47,7:23-7:30,8:05-8:12,9:11-9:17,9:43-9:51,10:35-10:41,11:04-11:12,12:33-12:40	7,18,7,7,7,6,8,6,8,7, Total=74
Test Well #2	8/11/2011	5,530,000	47,900	5,526,900	16.96	Mark Mays (O/O)	5:00-5:07,4:48-5:55,6:49-6:56,7:30-7:37,8:19-8:26,9:07-9:14,9:50-9:57,10:47-10:54,11:04-11:11,11:46-11:53,12:18-12:25,1:03-1:10,1:23-1:30	7,7,7,7,7,7,7,7,7,7,7 7 Total=91
Test Well #2	8/12/2011	5,567,300	37,300	5,564,200	17.08	Mark Mays (O/O)	5:30-5:37,6:02-6:09,6:41-6:48,7:25-7:32,7:49-7:56,8:01-8:08,8:46-8:53,9:19-9:26,10:02-10:09,11:01-11:08,11:44-11:50,12:30-12:37	7,7,7,7,7,7,7,7,7,7,6 Total=83
Test Well #2	8/15/2011	5,601,400	34,100	5,598,300	17.18	Mark Mays (O/O)	5:30-5:37,5:47-5:54,6:20-6:27,7:06-7:13,7:48-7:55,8:40-8:47,9:20-9:27,9:48-9:56,11:00-11:07,11:48-11:55,12:30-12:37	7,7,7,7,7,7,7,7,7,7,7 Total=77
Test Well #2	8/16/2011	5,631,500	30,100	5,628,400	17.27	Sal Ross (O/O)	6:08-6:13,6:49-6:55,7:37-7:42,8:28-8:35,9:10-9:17,9:58-10:03,10:58-11:05,11:40-11:46,12:24-12:30	7,6,5,7,7,5,7,6,6 Total=56
Test Well #2	8/17/2011	5,672,900	41,400	5,669,800	17.40	Sal Ross (O/O)	5:02-5:08, 5:40-5:46, 6:20-6:26, 7:08-7:13, 7:48-7:54, 8:28-8:34, 9:08-9:13, 9:45-9:57, 10:26-10:32, 11:06-11:11, 11:48-11:54, 12:29-12:35, 1:03-1:08	6,6,6,5,6,6,5,12,6,5,6, 6,5 Total= 80
Test Well #2	8/18/2011	5,708,200	35,300	5,705,100	17.51	Sal Ross (O/O)	5:18-5:23, 5:42-5:48, 6:12-6:18, 6:53-6:59, 7:42-7:48, 8:27-8:33, 9:12-9:18, 9:54-10:00, 11:27-11:32, 12:10-12:16, 12:50-12:56	5,6,6,5,6,6,5,12,6,5,6, 6,5 Total= 79
Test Well #2	8/19/2011	5,743,000	34,800	5,739,900	17.62	Sal Ross (O/O)	4:54-5:00,5:27-5:32,6:04-6:10,6:45-6:51,7:32-7:38,8:19-8:24,9:07-9:12,9:58-10:04,10:52-10:58,11:35-10:42,12:22-12:28	6,5,6,6,6,6,5,6,6,7,6 Total=65
Test Well #2	8/22/2011	5,771,500	28,500	5,768,400	17.70	Sal Ross (O/O)	6:39-6:46,7:09-7:14,7:51-7:57,8:38-8:44,9:27-9:33,10:16-10:22,11:38-11:44,12:23-12:29,1:12-1:18	7,5,6,6,6,6,6,6,6 Total=54
Test Well #2	8/23/2011	5,808,000	36,500	5,804,900	17.81	Sal Ross (O/O)	5:58-6:04,6:31-6:37,7:02-7:08,7:44-7:50,8:22-8:28,8:51-8:57,9:34-9:40,10:04-10:10,11:05-11:11,11:49-11:55,12:44-12:50	6,6,6,6,6,6,6,6,6,6,6 Total=66
Test Well #2	8/24/2011	5,839,700	31,700	5,836,600	17.91	Sal Ross (O/O)	5:41-5:47,6:14-6:20,7:07-7:13,8:02-8:09,8:48-8:54,9:43-9:49,10:38-10:44,12:17-12:25,12:56-1:02,1:30-1:36	6,6,6,7,6,6,6,8,6,6 Total=63
Test Well #2	8/25/2011	5,869,400	29,700	5,866,300	18.00	Sal Ross (O/O)	5:27-5:33,6:07-6:13,7:26-7:32,8:54-9:00,9:40-9:46,10:31-10:37,11:21-11:27,12:18-12:24,1:19-1:25	6,6,6,6,6,6,6,6,6 Total=54
Test Well #2	8/26/2011	5,905,500	36,100	5,902,400	18.11	Sal Ross (O/O)	5:37-5:44,6:05-6:11,6:45-6:51,7:41-7:47,8:37-8:43,9:27-9:33,10:08-10:14,10:55-11:01,11:46-11:52,12:33-12:39,1:24-1:30	7,6,6,6,6,6,6,6,6,6,6 Total=67
Test Well #2	8/29/2011	5,947,100	41,600	5,944,000	18.24	Sal Ross - John Saylor (O/O)	5:36-5:42,6:08-6:14,6:55-7:01,7:05-7:11,7:38-7:44,8:16-8:22,8:51-8:57,9:35-9:41,9:43-9:49,11:44-11:50,12:27-12:33,1:00-1:06,1:22-1:28	6,6,6,6,6,6,6,6,6,6,6,6 6 Total=78
Test Well #2	8/30/2011	5,983,600	36,500	5,980,500	18.35	Sal Ross - John Saylor (O/O)	7:33-7:44,8:56-9:08,10:33-10:45,11:18-11:29,12:11-12:23,1:01-1:12	11,12,12,11,12,11 Total=69
Test Well #2	8/31/2011	6,026,300	42,700	6,023,200	18.48	Sal Ross - John Saylor (O/O)	5:38-5:51,6:15-6:27,7:07-7:19,8:42-8:53,10:07-10:19,12:00-12:12,1:20-1:31	13,12,12,11,12,12,11 Total=83

Table 2-1. Daily Water Meter Usage Log



Meter #	Date	Meter Read	Daily Water Use (gal)	Water Use to Date (gal)	Water Use to Date (Acre-Feet)	Kiewit Rep.	Pumping Times and Duration	Pump Running Time (minutes)
Test Well #2	9/1/2011	6,066,100	39,800	6,063,000	18.61	Sal Ross - John Saylor (O/O)	5:55-5:46,6:15-6:27,7:01-7:10,7:18-7:54,10:12-10:32,11:33-11:37	11,12,9,36,20,4 Total=92
Test Well #2	9/2/2011	6,104,900	38,800	6,101,800	18.73	Sal Ross - John Saylor (O/O)	5:37-5:46,5:50-5:56,6:25-6:31,7:44-7:50,8:25-8:31,9:14-9:20,9:50-9:56,10:04-10:10,11:12-11:19,11:51-11:57,12:47-12:53,1:17-1:30	9,6,6,6,6,6,6,6,6,1 3 Total=83
Test Well #2	9/6/2011	6,150,900	46,000	6,147,800	18.87	Sal Ross - John Saylor (O/O)	5:47-6:06,6:29-6:41,7:24-7:31,8:08-8:14,8:36-8:42,9:17-9:23,9:37-9:43,10:53-11:05,11:32-11:38,12:07-12:13,12:42-12:48	9,12,6,6,6,6,6,12,6,6 6 Total=81
Test Well #2	9/7/2011	6,229,400	78,500	6,226,300	19.11	Sal Ross - John Saylor (O/O)	5:45-6:03,6:10-6:16,6:41-6:48,7:20-7:27,7:33-7:39,8:04-8:10,8:36-8:42,8:48-8:55,9:16-9:22,9:32-9:38,10:00-10:06,10:22-10:28,11:10-11:22,11:30-11:36,11:46-11:51,12:05-12:11,12:28-12:34,12:44-12:50,1:12-1:24	18,6,7,7,6,6,6,7,6,6,6, 6,12,6,5,6,6,6,12 Total=140
Test Well #2	9/8/2011	6,295,500	66,100	6,292,400	19.31	Sal Ross - John Saylor (O/O)	5:45-5:57,6:08-6:14,6:46-6:58,7:47-7:59,8:46-8:52,9:01-9:07,9:39-9:50,10:05-10:12,10:35-10:41,11:30-11:36,11:42-11:48,12:09-12:15,12:20-12:26,12:45-12:51,1:01-1:07,1:27-1:40	12,6,12,12,12,6,11,7, 6,6,6,6,6,6,6,13 Total=133
Test Well #2	9/9/2011	6,345,400	49,900	6,342,300	19.46	Sal Ross - John Saylor (O/O)	5:48-6:00,6:07-6:13,6:38-6:44,6:58-7:04,7:44-7:50,7:58-8:04,8:47-8:53,8:58-9:04,9:47-9:53,10:05-10:11,11:28-11:40,12:31-12:37,12:44-12:50,1:05-1:11	12,6,6,6,6,6,6,6,6,1 2,6,6,6 Total=96
Test Well #2	9/12/2011	6,407,400	62,000	6,404,300	19.65	Sal Ross - John Saylor (O/O)	5:45-5:57,6:04-6:10,6:38-6:45,7:10-7:16,7:29-7:35,8:09-8:15,8:23-8:29,9:01-9:07,9:25-9:31,9:58-10:04,10:24-10:30,11:35-11:47,12:01-12:07,12:19-12:25,12:43-12:49,1:01-1:06	12,6,7,6,6,6,6,6,6,6, 12,6,6,6,6 Total=109
Test Well #2	9/13/2011	6,471,700	64,300	6,468,600	19.85	Sal Ross - John Saylor (O/O)	5:45-5:57,6:11-6:17,6:31-6:37,6:56-7:02,7:12-7:18,7:39-7:45,7:56-8:02,8:24-8:30,8:42-8:48,9:08-9:14,9:28-9:34,9:50-9:56,10:09-10:15,10:36-10:42,11:05-11:21,11:58-12:04,12:15-12:21,12:39-10:45,1:04-1:10,1:15-1:21	12,6,6,6,6,6,6,6,6,6, 6,6,6,6,6,6,6,6,6 Total=126
Test Well #2	9/14/2011	6,529,300	57,600	6,526,200	20.03	Sal Ross - John Saylor (O/O)	5:45-5:57,6:15-6:21,6:48-6:54,7:10-7:16,7:38-7:44,8:01-8:07,8:57-9:03,9:32-9:38,9:57-10:03,10:14-10:20,11:06-11:12,11:39-11:45,11:51-11:57,12:31-12:36,12:37-12:42,1:17-1:29	12,6,6,6,6,6,6,6,6,6, 6,6,5,6,12 Total=101
Test Well #2	9/15/2011	6,585,200	55,900	6,582,100	20.20	Sal Ross - John Saylor (O/O)	5:44-5:56,6:12-6:18,6:34-6:40,7:02-7:08,7:17-7:23,7:50-8:02,8:28-8:43,8:42-8:48,9:18-9:24,9:41-9:47,10:21-10:27,11:06-11:12,11:52-11:57,12:01-12:07,12:50-1:02	12,6,6,6,6,12,6,6,6, 6,6,5,6,12 Total=107
Test Well #2	9/16/2011	6,643,500	58,300	6,640,400	20.38	Sal Ross - John Saylor (O/O)	5:45-5:57,6:12-6:18,6:34-6:40,7:15-7:21,7:34-7:40,7:58-8:04,8:24-8:30,8:48-8:54,9:12-9:18,9:32-9:38,10:00-10:06,10:19-10:25,11:29-11:41,12:17-12:23,12:29-12:35,1:11-1:22	12,6,6,6,6,6,6,6,6,6, 6,6,6,6,11 Total=107
Test Well #2	9/19/2011	6,696,400	52,900	6,693,300	20.54	Sal Ross - John Saylor (O/O)	5:47-5:54,6:07-6:13,7:00-7:06,7:28-7:34,8:10-8:16,9:02-9:08,9:16-9:22,9:38-9:44,10:21-10:27,11:06-11:12,11:43-11:49,11:59-12:05,12:41-12:53,1:15-1:21,1:28-1:34	12,6,6,6,6,6,6,6,6,6, 6,12,6,6 Total=102
Test Well #2	9/20/2011	6,749,400	53,000	6,746,300	20.70	Sal Ross - John Saylor (O/O)	5:35-5:47,6:56-7:02,7:09-7:15,7:50-7:56,8:15-8:21,8:30-8:36,9:05-9:11,9:20-9:26,10:01-10:13,11:11-11:22,11:38-11:44,11:54-12:00,1:00-1:12	12,6,6,6,6,6,6,6,12, 11,6,6,12 Total=101
Test Well #2	9/21/2011	6,815,700	66,300	6,812,600	20.91	Sal Ross - John Saylor (O/O)	5:40-5:52, 6:06-6:12,6:20-6:26, 6:52-6:58, 7:04-7:10, 7:44-7:56, 8:25-8:31, 8:40-8:46, 9:09-9:15, 9:21-9:27, 9:53-9:59, 10:15-10:21, 11:07-11:13, 11:34-11:40, 12:00-12:06, 12:10-12:16, 12:40-12:46, 1:11-2:17, 1:23-1:29	12,6,6,6,6,12,6,6,6,6, 6,6,6,6,6,6,6,6,6 Total=126
Test Well #2	9/22/2011	6,871,200	55,500	6,868,100	21.08	Sal Ross - John Saylor (O/O)	5:39-5:51,6:10-6:16,6:21-6:27,6:54-7:00,7:11-7:17,7:45-7:51,8:21-8:27,8:36-8:42,8:57-9:03,9:29-9:35,10:11-10:16,10:22-10:28,11:35-11:41,12:19-12:25,12:33-12:39,1:11-1:17	12,6,6,6,6,6,6,6,6,5, 6,6,6,6,6 Total=101
Test Well #2	9/23/2011	6,920,200	49,000	6,917,100	21.23	Sal Ross - John Saylor (O/O)	5:42-5:54, 6:14-6:20, 6:28-6:34, 7:40-7:46, 7:53-7:59, 8:21-8:27, 8:54-9:00, 9:45-9:51, 9:57-10:03, 10:22-10:28, 11:12-11:18, 11:24-11:30, 12:16-12:21, 12:40-12:46	6,6,6,6,6,6,6,6,6,6, 6,6 Total=84
Test Well #2	9/26/2011	7,005,400	85,200	7,002,300	21.49	Sal Ross - John Saylor (O/O)	5:45-5:54,6:05-6:11,6:28-6:34,6:44-6:55,7:25-7:29,7:53-7:59,8:07-8:13,8:48-8:54,9:18-9:24,9:57-10:12,10:24-10:34,11:04-11:10,11:17-11:23,11:23-11:29,11:49-11:54,12:02-12:08,12:13-12:19,12:24-12:31,12:50-1:07,1:34-1:44,3:05-3:11	7,6,6,6,6,6,6,6,5, 10,6,6,6,5,6,6,7,17,7, 10,6 Total=135
Test Well #2	9/27/2011	7,103,800	98,400	7,100,700	21.79	Sal Ross - John Saylor (O/O)	5:37-5:49,6:04-6:10,6:23-6:29,7:45-8:08,8:25-8:43,8:48-8:54,9:17-9:23,9:40-9:46,9:50-10:03,10:51-10:58,11:17-11:23,11:28-11:34,11:40-11:47,12:02-12:08,12:18-12:24,1:19-1:47,2:05-2:10,2:50-2:56	12,6,6,23,18,6,6,6, 13,10,6,6,6,7,6,6,28,5 ,6, Total=182
Test Well #2	9/28/2011	7,187,300	83,500	7,184,200	22.05	Sal Ross - John Saylor (O/O)	5:40-5:58,6:08-6:14,6:32-6:38,7:10-7:22,8:00-8:12,8:13-8:19,8:45-8:57,9:23-9:29,9:43-9:49,10:08-10:14,11:12-11:18,12:03-12:20,12:35-12:49,12:57-1:03,1:30-1:36,2:20-2:06,2:48-2:54,3:20-3:26,4:20-4:32	18,6,6,12,12,6,12,6,6, 6,6,17,14,6,6,6,6,14 Total=171
Test Well #2	9/29/2011	7,284,500	97,200	7,281,400	22.35	Sal Ross - John Saylor (O/O)	6:17-6:28,6:48-7:01,7:42-7:48,8:25-8:31,9:03-9:18,9:32-9:38,9:58-10:04,10:13-10:19,11:01-11:28, 11:52-12:10,12:22-12:28,1:01-1:26,1:49-1:55,2:03-2:09,2:40-2:52,3:11-3:17,3:24-3:40	11,13,6,6,15,6,6,6,17, 8,6,25,6,6,12,6,16 Total=171
Test Well #2	9/30/2011	7,362,700	78,200	7,359,600	22.59	Sal Ross - John Saylor (O/O)	5:45-5:54, 6:20-6:32, 6:34-6:40, 7:25-7:37, 8:02-8:08, 8:32-8:45, 9:00-9:06, 9:47-9:57, 10:11-10:28, 10:34-10:40, 11:51-11:59, 12:18-12:29	14,12,6,12,6,13,6,10, 17,6,8,11 Total=121
Test Well #2	10/1/2011	7,380,300	17,600	7,377,200	22.64	Sal Ross (O/O)	9:35-9:42, 11:00-11:06, 12:10-12:17, 5:45-6:07	7,6,7,22 Total=42
Test Well #2	10/3/2011	7,407,600	27,300	7,404,500	22.72	Sal Ross (O/O)	6:37-6:43, 7:21-7:41, 8:09-8:17, 8:21-8:27, 9:00-9:07, 9:50-10:02	6,20,8,6,7,12 Total=59

SOIL&WATER-4: The proposed project's use of groundwater during construction shall not exceed 4,100 af during the 69 months of construction and an annual average of 600 afy during operation.

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #11

Exhibit 10
Site Construction Safety Supervisor's Safety Report

Monthly Safety Inspection Report for September 2011

Blythe Solar Power Project

Safety Inspections

See the attached Safety Tour Reports.

Safety Incidents and Corrective Actions

See attached safety tours repots.

Unresolved Safety Problems

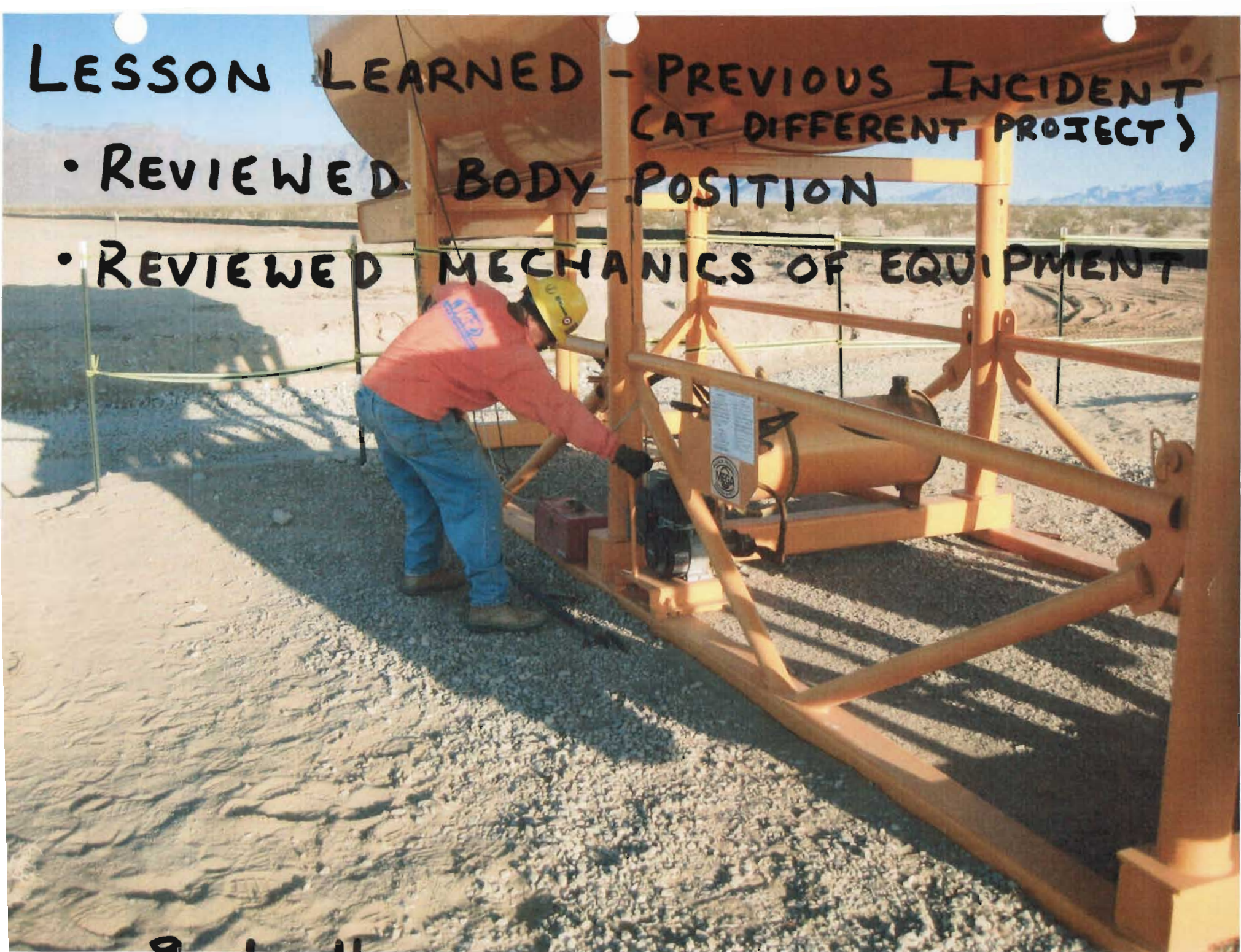
There are no unresolved safety issues.

First Aid, Reportable, & Recordable Injuries

There were no first aids, reportable, recordable, or near misses during the month of September.

LESSON LEARNED - PREVIOUS INCIDENT (AT DIFFERENT PROJECT)

- REVIEWED BODY POSITION
- REVIEWED MECHANICS OF EQUIPMENT



9-1-11

LOTO

SIEMENS

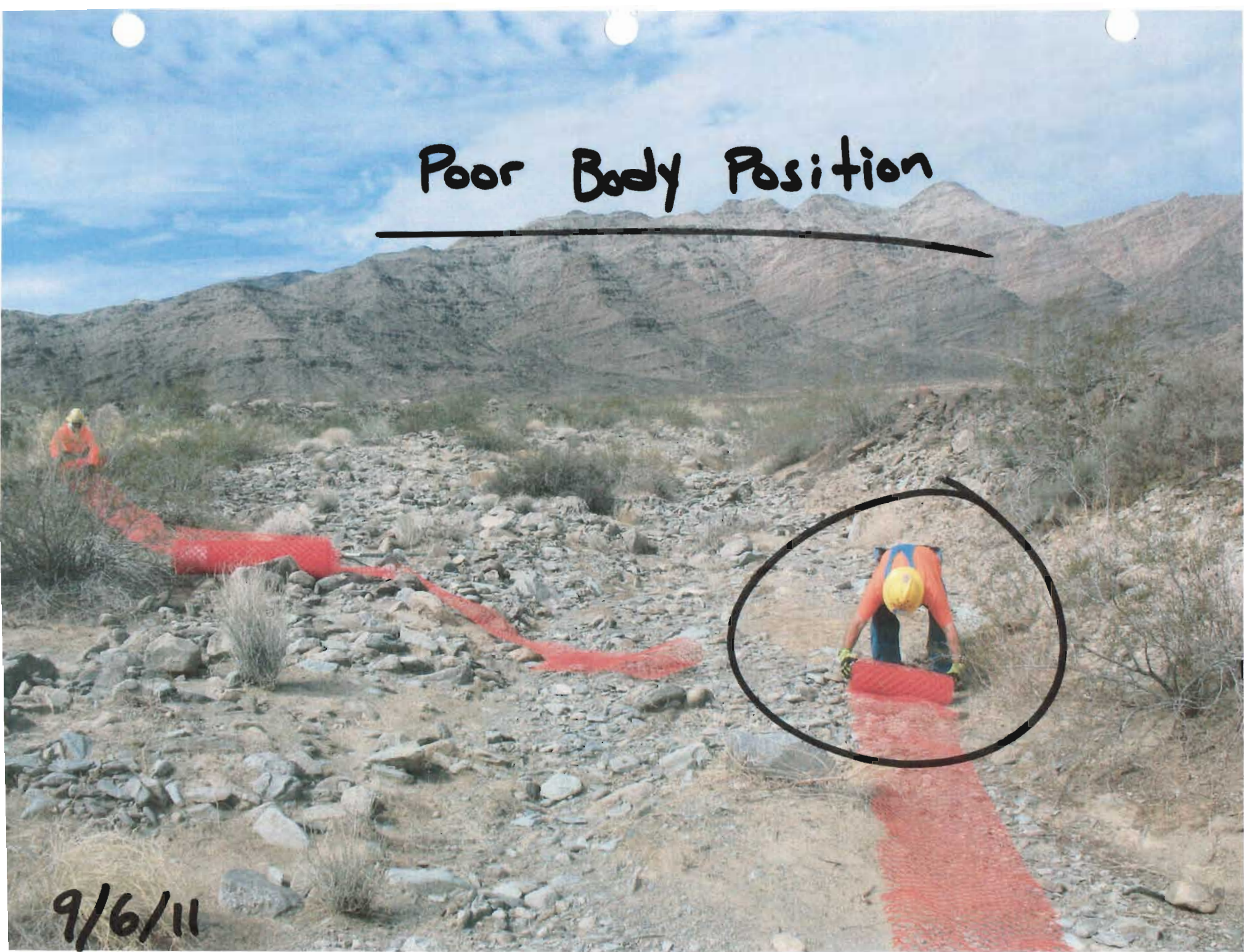
- Changing Filters
- Date & Contact Name



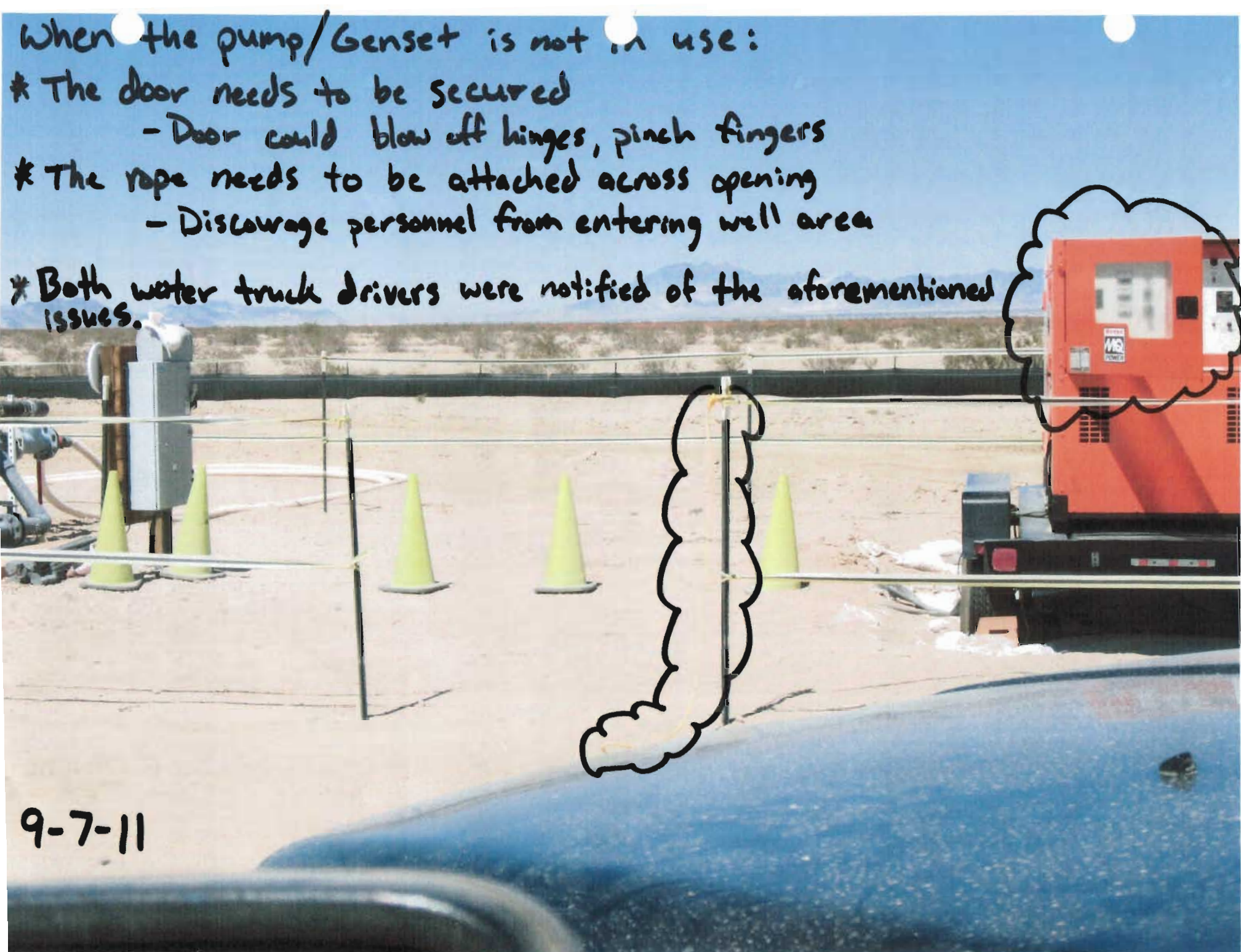
9/2/11

9:25:11

Poor Body Position



9/6/11



When the pump/Genset is not in use:

- * The door needs to be secured
 - Door could blow off hinges, pinch fingers
- * The rope needs to be attached across opening
 - Discourage personnel from entering well area
- * Both water truck drivers were notified of the aforementioned issues.

9-7-11

Puncture & HAZARDS

TIE WIRE WAS LEFT ON
T. POST AFTER REMOVING
SNOW FENCE.

SPOKE WITH CREW TO
REMOVE ALL TIE WIRE/
HOG RINGS THAT ARE
PUNCTURE HAZARDS.



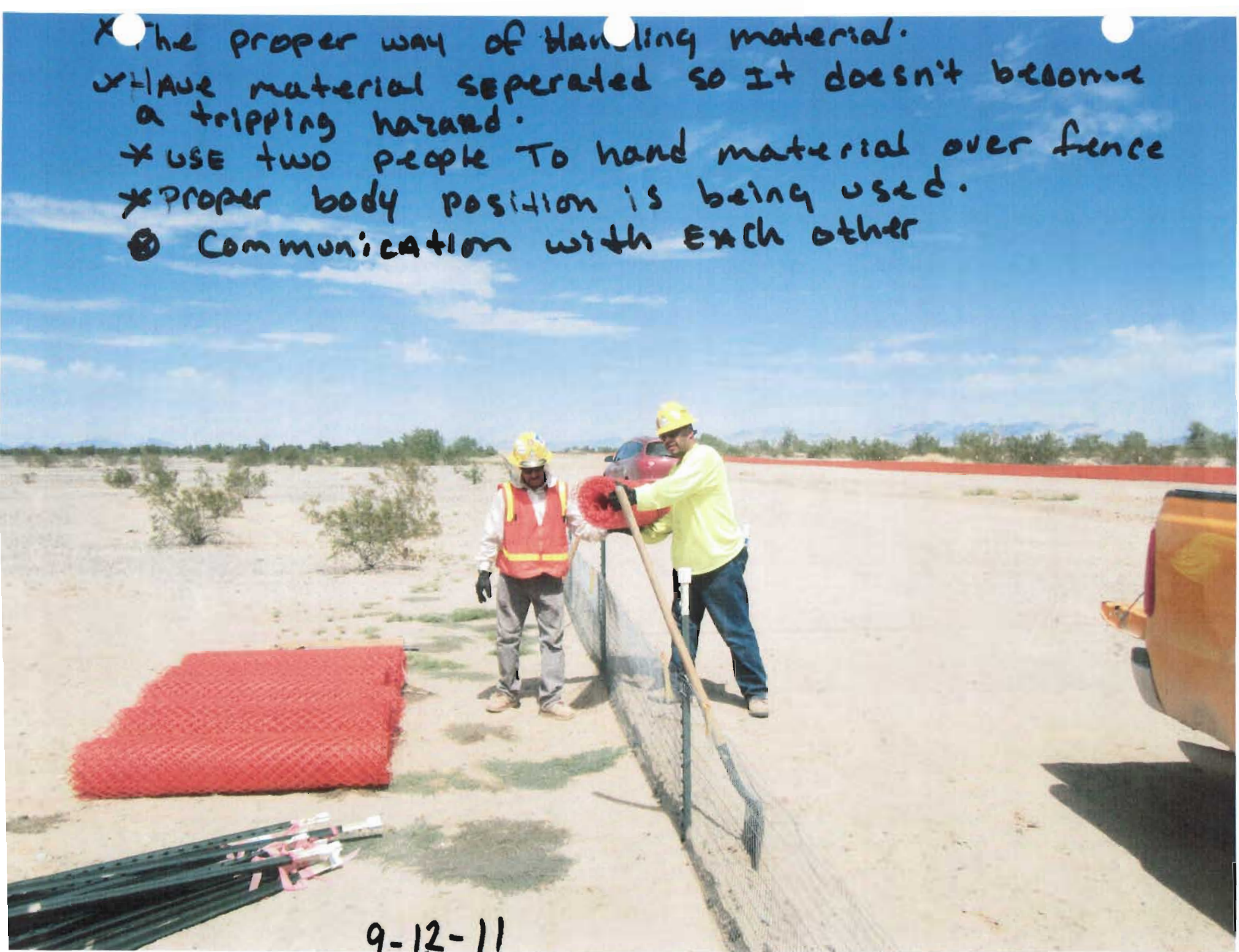
9-8-11

- PROPER MATERIAL HANDLING
- REVIEWED DANGERS OF OVER LOADING MATERIALS & HANDLING AWKWARD MATERIALS



9-9-11

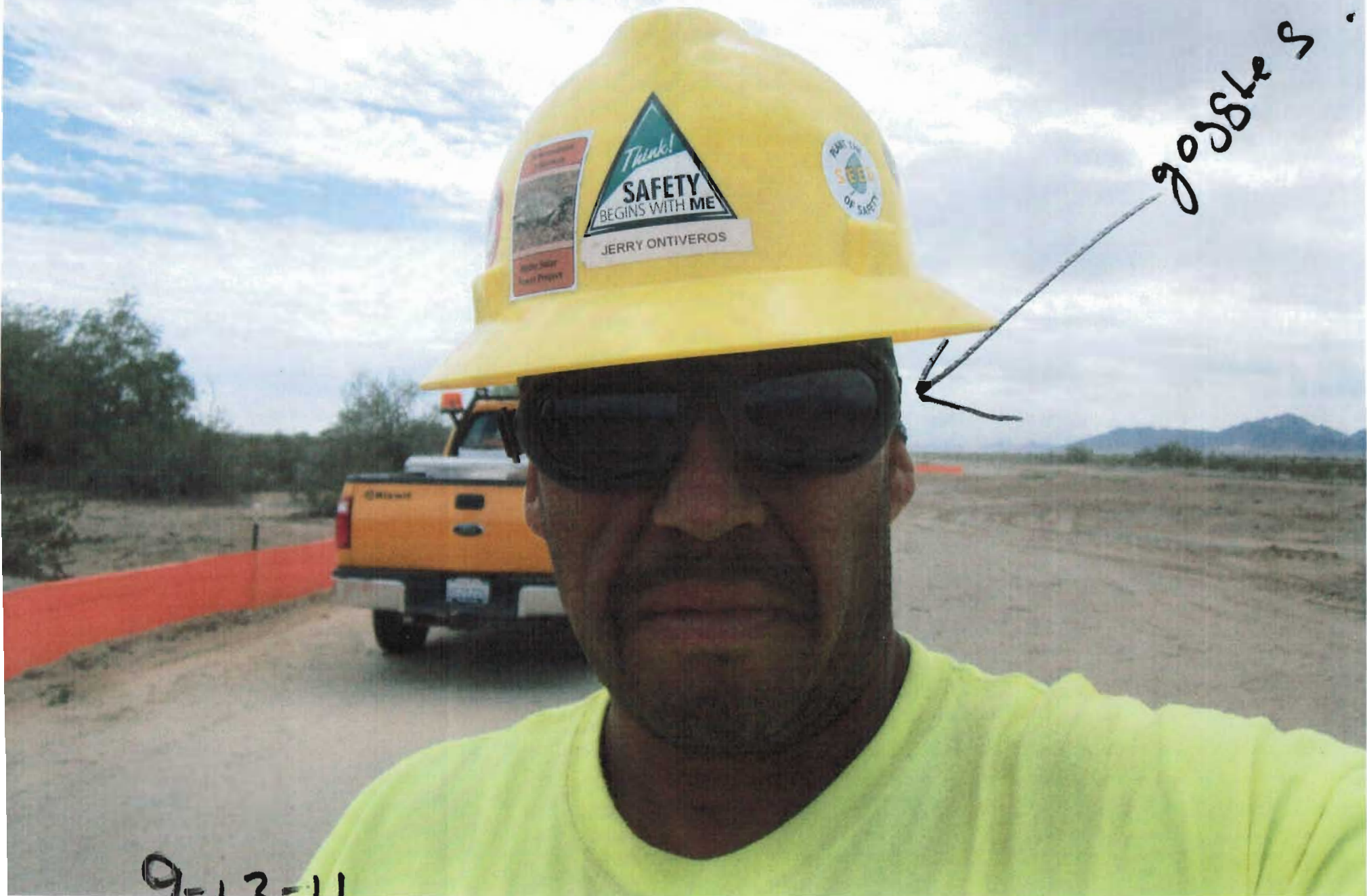
- * The proper way of handling material.
- * Have material separated so it doesn't become a tripping hazard.
- * Use two people to hand material over fence.
- * Proper body position is being used.
- ⊗ Communication with each other



9-12-11

Utilizing Proper PPE

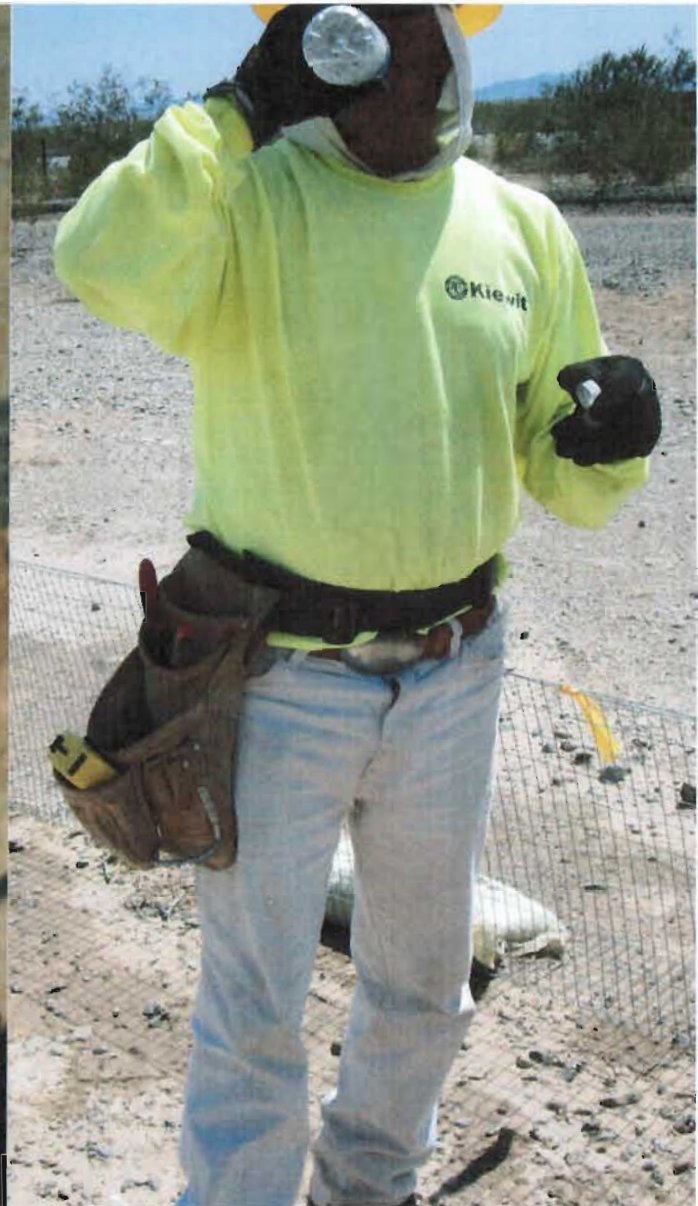
* During Windy & Dusty Conditions
Use foam Line goggles.



9-13-11

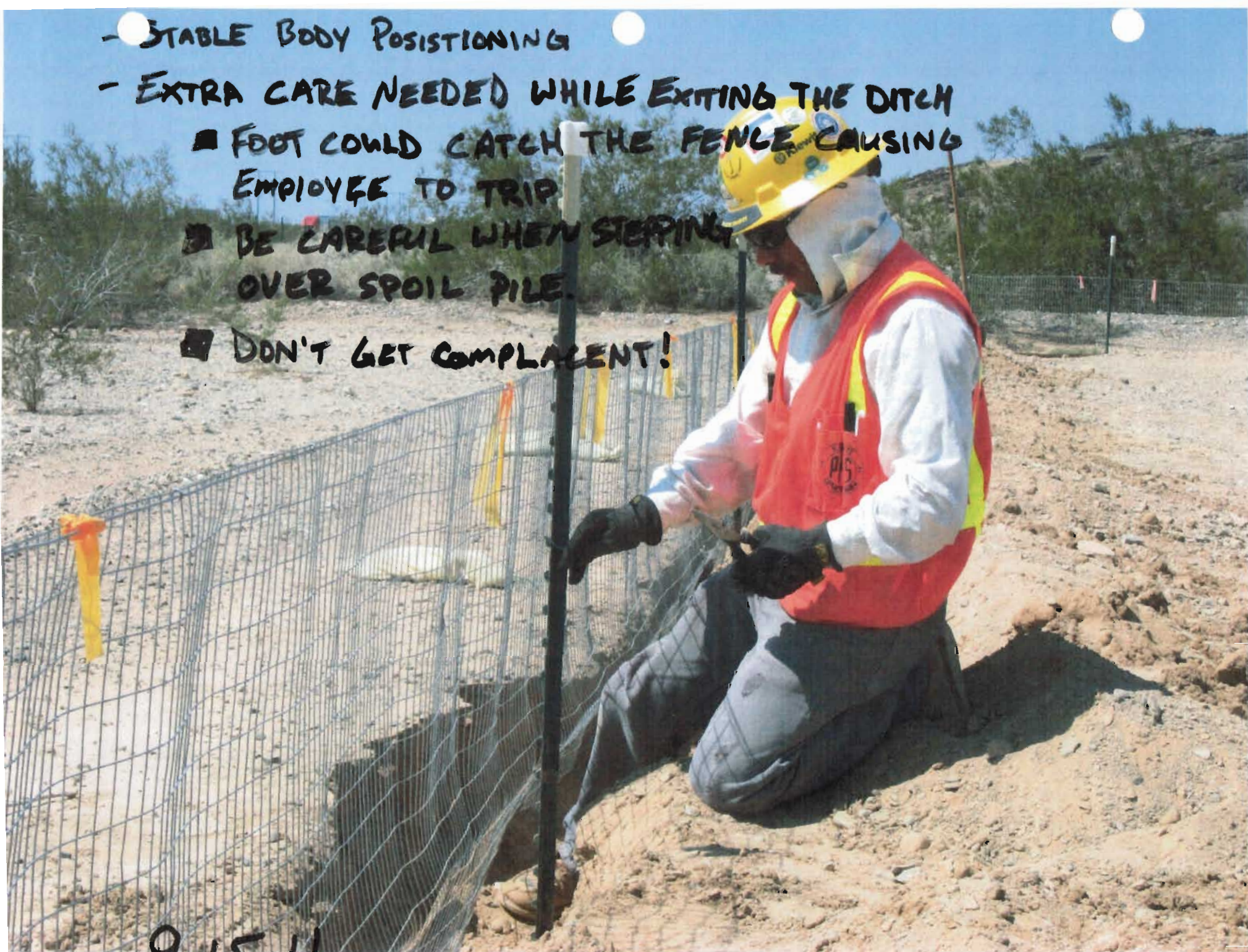
Proper tool placement.
Don't store tool in pockets.
HAZARDS punctures, pinch points.

Review with crew.
corrected measure use
Tool bags.



9.14.11

- STABLE BODY POSITIONING
- EXTRA CARE NEEDED WHILE EXITING THE DITCH
 - FOOT COULD CATCH THE FENCE CAUSING EMPLOYEE TO TRIP
 - BE CAREFUL WHEN STEPPING OVER SPOIL PILE.
 - DON'T GET COMPLACENT!



9-15-11

- New operation began today
- ② Sam filled out with Crew And Vilemontes express.
 - ③ No ground personell should stand on either end due To flying debris
 - ④ NO reason for Kiewit _{ground} Personell to be near operation
 - ⑤ Keep eyes open for critters in staged piles.



9-19-11

MATERIAL STORAGE FOR THE OWNER

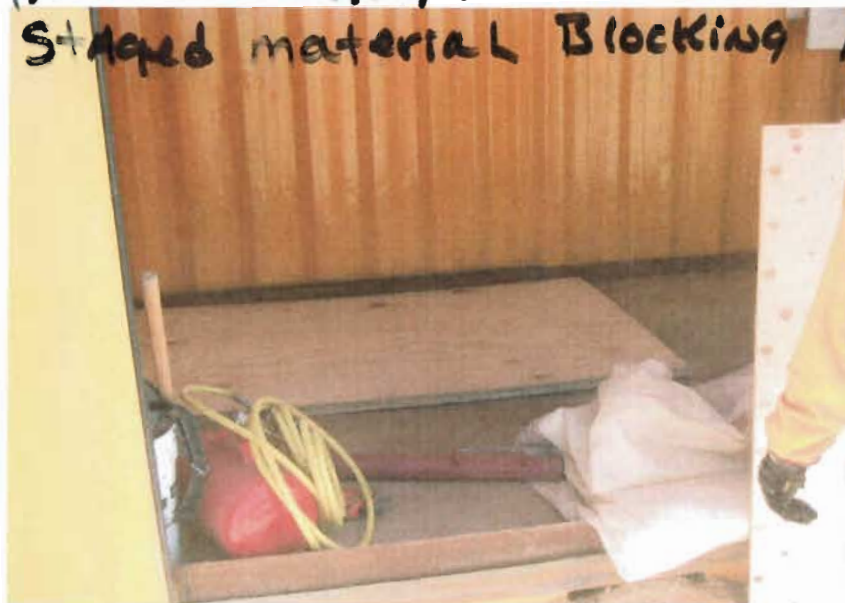
- Don't get complacent at the end of the job.
- Focus on the little things.
- Tie wire: puncture hazard
 - * use hog rings to secure the end of fence to eliminate hazard.

9-20-11

Material Storage in C-VAN

ⓧ (Hazards) Tripping Hazards

Stacked material Blocking ACCESS



LAY Material Flat on Floor in preparation for D-Mobile



Store equipment, Tools IN container



9-21-11

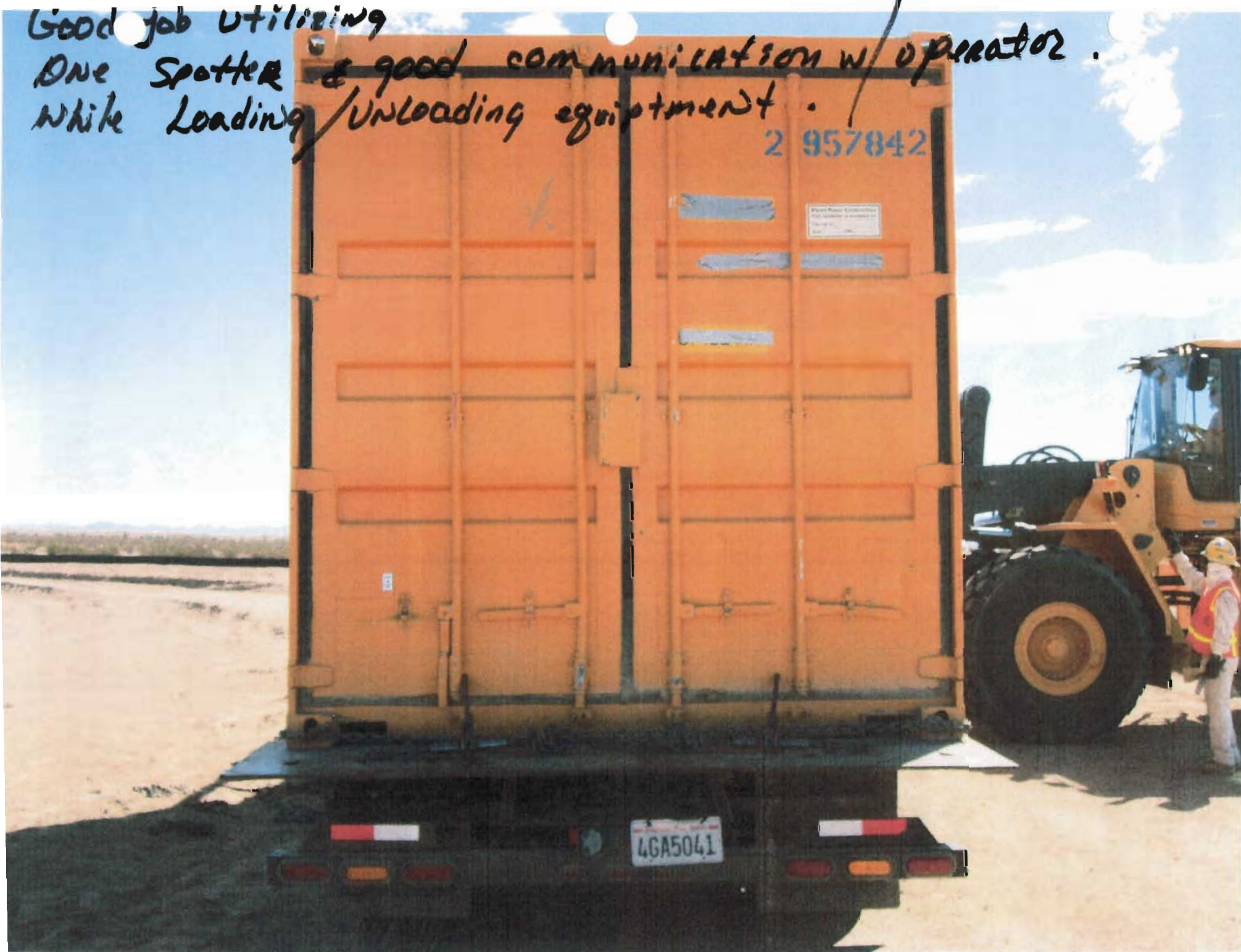
UTILIZE PROPER P.P.E

1. Gloves
2. Faceshield
3. Ear muffs
4. PAPER MASK.
5. goggles
(NOT. safety glasses)



9-22-11

Good job Utilizing
One Spotter & good communication w/ operator.
While Loading/Unloading equipment.



9-23-11

The Use of Proper hand TOOLS

- ⊗ Utilizing Scissors rather than utility Knife to cut silt fence
- ⊗ Proper hand placement when using hog rings pliers.



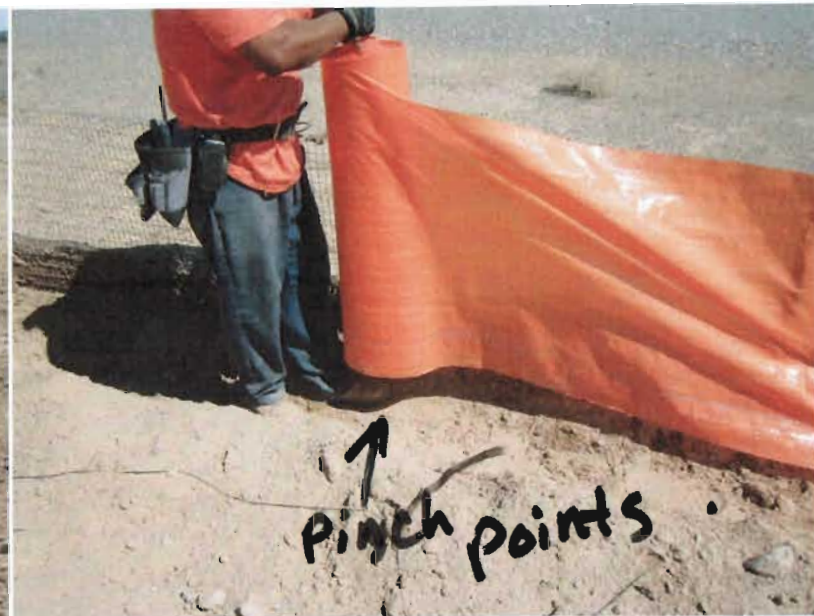
Review with Crew on Good proper body position

- ⊗ while working on uneven terrain.
- ⊗ ANKle twisting from Rocky surface.
- ⊗ Slips & falls from unstable ground.



9-27-11

Safe Material Handling



Proper P
Identifying Hazards
* Pinch points, Roll ankles in uneven surface.

- * material has a stake thru it.
Pinch point To foot.
- * walking Backwards with material.

Review with crew of proper Handling.

- Ⓢ To walk forward with material.
- Ⓢ Keep material in front of Body.

9-2B11

BLYTHE JOB COMING TO AN END

- * Focus on the small things
 - Right tools for the job
 - Stay hydrated

* Don't take shortcuts, especially on rework due to vandalism.

* ENTIRE ^{CREW} continues to stay focused and work with a positive attitude!

9-29-11

GOOD BODY POSITIONING

- * ON STABLE GROUND, NOT ON CATTLE GUARD
- * FACING TRAFFIC ENTRANCE W/ VEHICLE (PARKED) BLOCKING BACKSIDE.
- * BENDING TIE WIRE DOWN TO MINIMIZE PUNCTURE HAZARDS.

9/30/11

Blythe Solar Power Project
(09-AFC-6C)

Monthly Compliance Report #11

Exhibit 11
CBO Safety Monitor's Report



WEST COAST CODE CONSULTANTS, Inc.

2400 Camino Ramon, Suite 240

San Ramon, CA 94583

Tel: (925) 275-1700

Fax: (925) 275-0600

October 11, 2011

Blythe Solar Power Project

Mary Dyas

Compliance Project Manager

California Energy Commission

Energy Facilities Siting Division

1516 Ninth Street, MS 2000

Sacramento, CA 95814-5512

RE: BSPP Monthly Safety Monitor Compliance Report September 2011

Dear Ms. Dyas:

As it relates to **Workers Safety 3**, Kiewit Power Inc. has met, or exceeded these requirements with regard to:

- Safety Training
- Safety Inspections
- Safety Incidents and Corrective Actions
- Unresolved Safety Problems
- First Aid, Reportable and Recordable Injuries.

Sincerely,

Greg Gibson

Supervising Building Inspector / Safety Monitor

West Coast Code Consultants, Inc.

2400 Camino Ramon, Suite 240

San Ramon, CA 94583